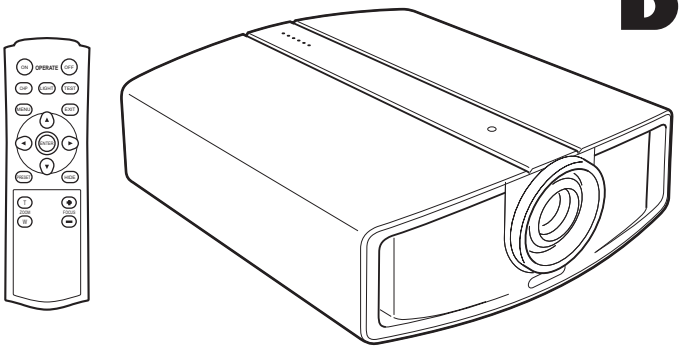
JVC

SERVICE MANUAL

HOME THEATER PROJECTOR

DLA-HD10KU, DLA-HD10KSU, DLA-HD10KE, DLA-HD10KSE

D-ILA®



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SPECIFICATION

■GENERAL

Type	D-ILA HOME THEATER PROJECTOR
Dimensions (W × H ×D)	Approx. 513 mm × 193.7 mm × 558.5 mm (Approx. 20-1/5" × 7-3/5" × 22") (Excluding handle, lens and protrusions)
Mass	Approx. 17.0kg (Approx.37.5lbs)
Power requirements	AC 100-240V 50Hz/60Hz
Power Consumption	3.5A (100VAC)~1.4A (240VAC)
Operating temperature	+5°~+35°[41°F~95°F]
Operating humidity	20%~80% (no-condensation)
Storage temperature	-10°C~+60°C[14°F~140°F]
Remote control unit	RM-MH10KG
operation	Distance : 7m Angle: Horizontal =±30° Vertical =±20°
Mass	56g (includes dry cell battery)
Accessories	Remote control unit (RM-MH10K) × 1 Dry cell battery (size : UM-4/AAA/R02) × 2 Power code (2.5m) × 1 (HD10KU/HD10KSU) Power code (2m) × 2 (HD10KE/HD10KSE)

■OPTIC

Projection system D-ILA device	D-ILA(reflective activematrix principle)system 0.82-inch(2.1cm) measured diagonally [H:1920 pixels × V:1080 pixels] × 3 < Total : 6,220,000 pixels >
Projection lens	1.9times power zoom lens (2.0 : 1 to 3.8 : 1) [DLA-HD10KU/E] 1.4times power zoom lens (1.5 : 1 to 2.1 : 1) [DLA-HD10KSU/E]
Screen size	Approx. 60 "to 200" (Aspect ratio : 16:9)
Projection distance	Approx. 2.5m to 15m [DLA-HD10KU/E] Approx. 2m to 10m [DLA-HD10KU/E]
Light lamp	BHL5008-S UHP(Ultra High-Pressue mercury) lamp

■ELECTRIC

Input signal	1080 / 60p signal, 1080 / 50p signal
Resolution	1920 × 1080 dots
Scanning frequency	Horizontal : 56.25kHz,67.43kHz,67.5kHz Vertical : 50Hz,59.94Hz,60Hz
Fuse	⚠QMF5AD2-6R3-J1(6.3A)

■OUTPUT TERMINAL

CONTROL	SCREEN TRIGGER × 1 , 3.5mm diameter monaural mini-jack

■INPUT CONNECTORS

VIDEO IN	
DVI	DVI-D (single-24pin) terminal HDCP-compatible
CONTROL	Using external computer control
RS-232C	RS-232C protocol D-sub 9-pin × 1
SERVICE	3.5mm diameter, stereo mini-jack × 1 (For Service)

SECTION 1
PRECAUTION

1.1 SAFTY PRECAUTIONS

Prior to shipment from the factory, JVC products are strictly inspected to conform with the recognized product safety and electrical codes of the countries in which they are to be sold.However,in order to maintain such compliance, it is equally important to implement the following precautions when a set is being serviced.

1.1.1 Precautions during Servicing

(1) Locations requiring special caution are denoted by labels and inscriptions on the cabinet, chassis and certain parts of the product.When performing service, be sure to read and comply with these and other cautionary notices appearing in the operation and service manuals.

(2) Parts identified by the ⚠symbol and shaded ( ) parts are critical for safety.
Replace only with specified part numbers.

NOTE :

Parts in this category also include those specified to comply with X-ray emission standards for products using cathode ray tubes and those specified for compliance with various regulations regarding spurious radiation emission.

(3) Fuse replacement caution notice.
Caution for continued protection against fire hazard.
Replace only with same type and rated fuse(s) as specified.

(4) Use specified internal wiring. Note especially:
- Wires covered with PVC tubing
- Double insulated wires
- High voltage leads

(5) Use specified insulating materials for hazardous live parts. Note especially:
- Insulation Tape
- PVC tubing
- Spacers
- Insulation sheets for transistors
- Barrier

(6) When replacing AC primary side components (transformers, power cords, noise blocking capacitors, etc.) wrap ends of wires securely about the terminals before soldering.

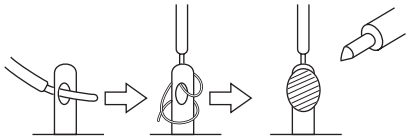


Fig.1-1-1

(7) Observe that wires do not contact heat producing parts (heatsinks, oxide metal film resistors, fusible resistors, etc.)

(8) Check that replaced wires do not contact sharp edged or pointed parts.

(9) When a power cord has been replaced, check that 10-15 kg of force in any direction will not loosen it.

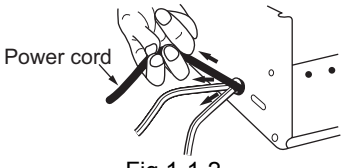


Fig.1-1-2

(10) Also check areas surrounding repaired locations.

(11) Products using cathode ray tubes (CRTs)In regard to such products, the cathode ray tubes themselves, the high voltage circuits, and related circuits are specified for compliance with recognized codes pertaining to X-ray emission. Consequently, when servicing these products, replace the cathode ray tubes and other parts with only the specified parts. Under no circumstances attempt to modify these circuits.Unauthorized modification can increase the high voltage value and cause X-ray emission from the cathode ray tube.

(12) Crimp type wire connectorIn such cases as when replacing the power transformer in sets where the connections between the power cord and power trans former primary lead wires are performed using crimp type connectors, if replacing the connectors is unavoidable, in order to prevent safety hazards, perform carefully and precisely according to the following steps.
- **Connector part number** :E03830-001
- **Required tool** : Connector crimping tool of the proper type which will not damage insulated parts.
- **Replacement procedure**

a) Remove the old connector by cutting the wires at a point close to the connector.Important : Do not reuse a connector (discard it).

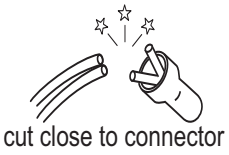


Fig.1-1-3

b) Strip about 15 mm of the insulation from the ends of the wires. If the wires are stranded, twist the strands to avoid frayed conductors.

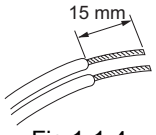


Fig.1-1-4

c) Align the lengths of the wires to be connected. Insert the wires fully into the connector.

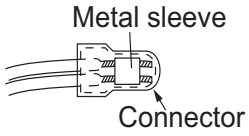


Fig.1-1-5

d) As shown in Fig.1-1-6, use the crimping tool to crimp the metal sleeve at the center position. Be sure to crimp fully to the complete closure of the tool.

Fig.1-1-6

e) Check the four points noted in Fig.1-1-7.

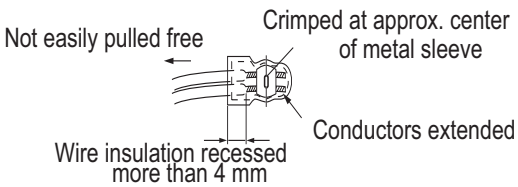

Not easily pulled free
Crimped at approx. center of metal sleeve
Conductors extended
Wire insulation recessed more than 4 mm

Fig.1-1-7

1.1.2 Safety Check after Servicing

Examine the area surrounding the repaired location for damage or deterioration. Observe that screws, parts and wires have been returned to original positions, Afterwards, perform the following tests and confirm the specified values in order to verify compliance with safety standards.

(1) Insulation resistance test
Confirm the specified insulation resistance or greater between power cord plug prongs and externally exposed parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.).See table 1 below.

(2) Dielectric strength test
Confirm specified dielectric strength or greater between power cord plug prongs and exposed accessible parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.). See Fig.1-1-11 below.

(3) Clearance distance
When replacing primary circuit components, confirm specified clearance distance (d), (d') between soldered terminals, and between terminals and surrounding metallic parts. See Fig.1-1-11 below.

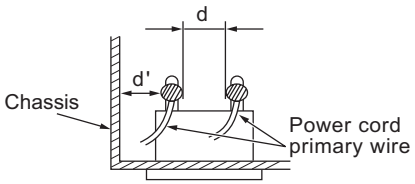


Fig.1-1-8

(4) Leakage current test
Confirm specified or lower leakage current between earth ground/power cord plug prongs and externally exposed accessible parts (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.).
Measuring Method : (Power ON)Insert load Z between earth ground/power cord plug prongs and externally exposed accessible parts. Use an AC voltmeter to measure across both terminals of load Z. See Fig.1-1-9 and following Fig.1-1-12.

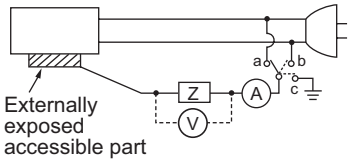
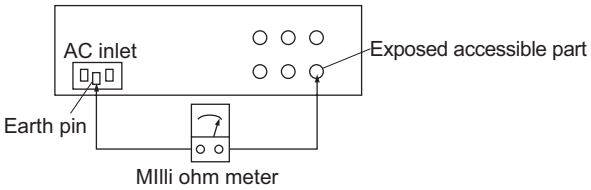


Fig.1-1-9

(5) Grounding (Class 1 model only)
Confirm specified or lower grounding impedance between earth pin in AC inlet and externally exposed accessible parts (Video in, Video out, Audio in, Audio out or Fixing screw etc.).Measuring Method:
Connect milli ohm meter between earth pin in AC inlet and exposed accessible parts. See Fig.1-1-10 and grounding specifications.



Grounding Specifications

Region	Grounding Impedance (Z)
USA & Canada	Z ≦ 0.1 ohm
Europe & Australia	Z ≦ 0.5 ohm

Fig.1-1-10

AC Line Voltage	Region	Insulation Resistance (R)	Dielectric Strength	Clearance Distance (d), (d')
100 V	Japan	R≧ 1 MΩ/500 V DC	AC 1 kV 1 minute	d, d' ≧ 3 mm
100 to 240 V			AC 1.5 kV 1 minute	d, d' ≧ 4 mm
110 to 130 V	USA & Canada	1 MΩ ≦R≦ 12 MΩ/500 V DC	AC 1 kV 1 minute	d, d' ≧ 3.2 mm
110 to 130 V 200 to 240 V	Europe & Australia	R≧ 10 MΩ/500 V DC	AC 3 kV 1 minute (Class Ⅱ) AC 1.5 kV 1 minute (Class Ⅰ)	d ≧ 4 mm d' ≧ 8 mm (Power cord) d' ≧ 6 mm (Primary wire)

Fig.1-1-11

AC Line Voltage	Region	Load Z	Leakage Current (i)	a, b, c
100 V	Japan	1 kΩ	i ≦ 1 mA rms	Exposed accessible parts
110 to 130 V	USA & Canada	0.15 μF, 1.5 kΩ	i ≦ 0.5 mA rms	Exposed accessible parts
110 to 130 V 220 to 240 V	Europe & Australia	2 kΩ	i ≦ 0.7 mA peak i ≦ 2 mA dc	Antenna earth terminals
		50 kΩ	i ≦ 0.7 mA peak i ≦ 2 mA dc	Other terminals

Fig.1-1-12

NOTE :
These tables are unofficial and for reference only. Be sure to confirm the precise values for your particular country and locality.

1.1.3 Warning and caution labels

- Labels advising of warning and caution are affixed on and in various locations of the product.
- Take careful notice of these during service and inspection.

⚠WARNING Risk of lethal or otherwise serious personal injury.
⚠CAUTION Risk of personal injury and damage to the product.

Class	Pictorial	Label advisory	Location
⚠ WARNING	Hot, breakable	This projector lamp emits high heat and contains high-pressure during use. If touched, the lamp (bulb) may rupture and burns may result. Before attempting to replace the lamp, remove the power cord plug from the outlet and wait for the lamp (bulb) to cool (at least one hour). Then proceed to replace the lamp.	Bottom chassis
⚠ WARNING	High voltage	Never open any cover on the projector except the lamp and filter covers. Dangerous electrical voltage inside the projector.	Bottom chassis
⚠ WARNING	High brightness	Never look into the lens while the projector is on. There is danger of eye damage.	Top cover
⚠ CAUTION	Hot, shock hazard	Do not insert foreign objects into the ventilation holes as this can result in fire or electrical hazards. Do not block the ventilation holes as this may cause the internal temperature to rise and possibly result fire. When the inside of the unit requires cleaning, consult your nearest JVC dealer or service center.	Bottom chassis
⚠ CAUTION	High voltage	Turn off before opening this lamp cover. See user's manual for replacing the lamp. Replace with the same type (**BHL5008-S**) lamp rated **200W**.	Bottom chassis
⚠ CAUTION	Hot	Caution, high temperature	Lamp unit

1.1.4 Additional cautionary items

- High voltage is applied for lighting the lamp. During adjustments and other work with the cover removed, extreme care is needed to avoid electric shock.
- Use care to avoid touching the fan or safety switch terminals during work with the cover removed.
- Select a stable, horizontal work site to prevent dropping the product and components.
- Use the power cord and interface cable supplied with the product.

Before starting work, be sure to also check the safety notices contained in the instruction manual.

1.2 INSTALLATIONS

1.2.1 Installation method

The D-ILA system (reflecting type active matrix liquid crystal system) does not require convergence adjustment. Note the following when placed on a floor (refer to OPERATING INSTRUCTIONS for actual operating method).

(1) Place the projector at the position needed for the required image size observe the projector is not tilted horizontally.
[The image size is 60 to 200(wide side) inches diagonal (16:9), requiring a projection distance of 2.58m to 8.76m (wide side : DLA-HD10KU/E) or 1.96m to 6.63m (wide side : DLA-HD10KSU/E).]
(2) Adjust the placement site and screen tilt so that the projection angle is perpendicular to the screen.
(3) Adjust the placement site and screen position (height) so that the projection lens center is at the lower edge of the screen.
(4) Project an image on the screen. (Connect video equipment and power source, switch power on and select the input.)
(5) Fine adjust the projected image position and angle. If adjusting the placement site and screen cannot correct the projected position (too low) or angle (lower part of image widened), adjust the front foot.
(6) Turn the lens ZOOM ring by hand and adjust for suitable image size.
(7) Turn the lens FOCUS ring by hand and adjust to correct image blur.

1.2.2 Installation site and status

- The projector contains a fan for cooling. Obstruction of the ventilation openings can lead to internal overheating, abnormal operation and failure. Also observe there is plenty of free space between the projector and adjacent walls, ceiling and other equipment.
  Note that excess heat can cause failure and damage to both the projector and nearby equipment.
  Required spacing :
  Front = 15cm / left and right sides = 30cm / rear = 50cm (When the unit is enclosed with block according to the required spacing on the left side, provide the unit with adequate ventilation so that the temperature inside of the enclosed area is kept at the same temperature in the open space in the room.)
- Avoid locations that are wobbly or inclined. If the setting site floor has protrusions or horizontal cannot be maintained, there is risk the projector may drop, fall over, etc. If located in a site where left to right tilt is greater than ±5° and front to rear tilt greater than ±20°, particularly the optical system components can be severely affected and there is risk basic performance and quality of the projector cannot be maintained.
- Observe the site can stably bear the weight (approx. 17kg) of the projector over a long period of time.
- If mounted on a stand with casters, observe the casters are securely braked to prevent movement.
- Avoid suspending in a location subject to vibration. Both the projector and mounting fixture can be damaged.
- Do not place in the following types of locations.
  Especially, Avoid locations subject to dust, grit, smoke or other airborne contaminants. Use adequate caution when providing external ventilation, filters and dust protection.
  - ◆ Near water or in humid sites
  - ◆ Near heaters or heat generating equipment
  - ◆ Dust or grit
  - ◆ Direct sunlight
  - ◆ Oily or tobacco smokes
  - ◆ Very high or very low temperature

SECTION 2
SPECIFIC SERVICE INSTRUCTIONS

2.1 FUNCTIONS

2.1.1 LED indications

The LED operations are as follows.

■ **STAND-BY LED**

Lighted	:	Stand-by mode in progress.
Blinking	:	Cool-down mode in progress.
Extinguished	:	Mode other than above.

■ **OPERATED LED**

Lighted	:	Power-on mode in progress.
Extinguished	:	Mode other than the above.

■ **TEMP LED**

Lighted	:	Internal temperature abnormally high. (Moved to emergency mode)
Blinking	:	Lamp replacement needed or, main unit malfunctions during lamp replacement.
Extinguished	:	Internal temperature is normal.

■ **FAN LED**

Lighted	:	Internal fan not operated.
Extinguished	:	Lamp life terminated, lamp under replacement, or Main unit malfunctioned

■ **HIDE LED**

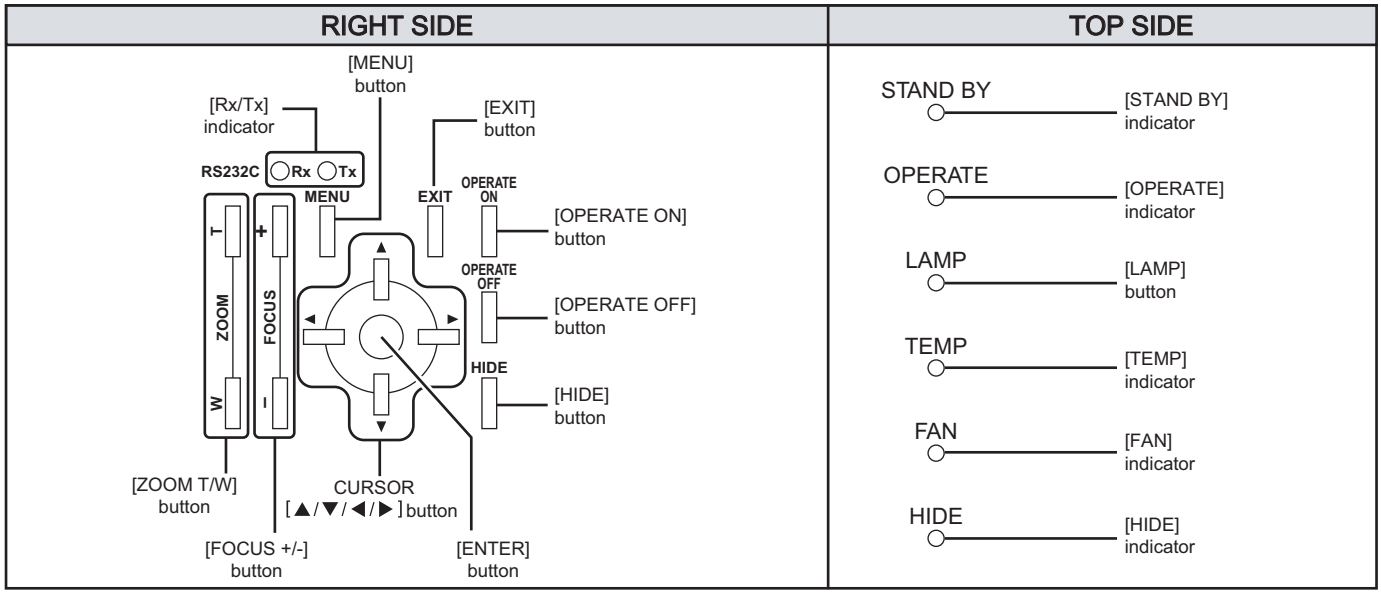
Lighted	:	Image temporarily interrupted when the [HIDE] button is pressed during projection.
Blinking	:	Main unit becomes defective.

■ **LAMP LED**

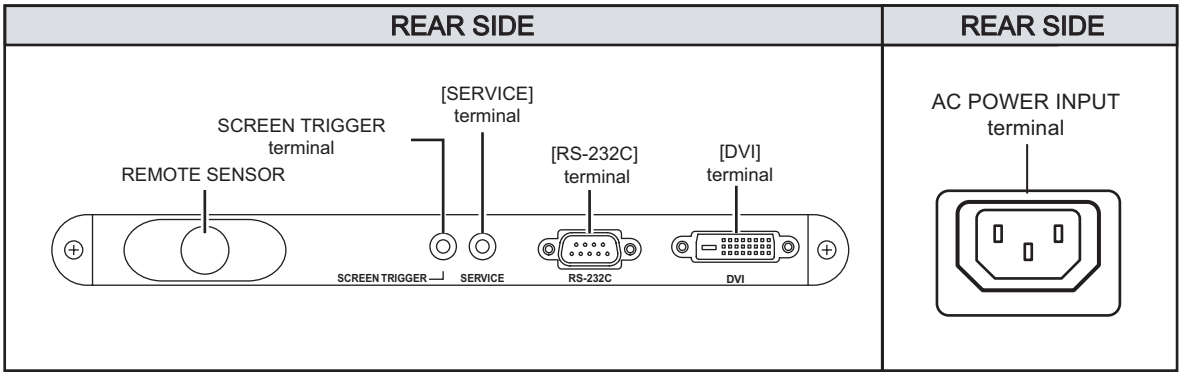
Lighted	:	**Lamp replacement is near.** (The LED lights when the lamp is used more than 1900 hours) The [Lamp replacement] message appears on the screen when the unit is turned on. **Lamp cover is not put on. No projection due to a non-lighting lamp. Lamp becomes extinction during the projection.**
Extinguished	:	**Other than the above. (The lamp is normal)**

CAUTION: Please refer to the Trouble Shooting section for the details of warning indications by LED

2.1.2 Operation button & LED location



2.1.3 Input / output terminal location



2.2 LAMP UNIT INSTRUCTIONS

Refer to the OPERATING INSTRUCTIONS for a detailed operating description.

2.2.1 Lamp life

Life of the projector lamp (time to reach 1/2 average brightness) is about 2000 hours.

∗ Lamp use time can be checked at the menu < Information > - [Lamp time].

LAMP UNIT : BHL5008-S

2.2.2 Operation when lamp use time exceeds 1900 hours

● **1900 to 2000 HOURS**

- Power ON: [LAMP] LED lights and [TEMP] LED flickers.
- Operation : "Lamp replacement" message appears on screen (∗press [EXIT] to extinguish).

● **2000 to 2010 HOURS**

- Power ON: [LAMP] LED lights and [FAN] LED flickers.
- Operation : "Warning" and "Lamp replacement" messages appear on screen, and "Warning" flashes.
  ∗Press [EXIT] button to extinguish the display. But after 1 hour, "Warning" and "Lamp replacement" again appear.

NOTE:

At power off, the stand-by mode is produced and further operation is prevented.

∗To again use the projector, replace the lamp unit and reset the lamp use time indication.

● **2010 HOURS and after**

- Power ON: Power is forcibly cut out (with cool down mode set) and [LAMP] LED lights at the same time and [TEMP] LED and [FAN] LED flicker.

2.2.3 Handling cautions

- Use a cross-head screwdriver to take out and reinstall the lamp cover (2 screws) and lamp unit (2 screws). Refer to the OPERATING INSTRUCTIONS.
- Observe the following cautions.
  - Be sure to disconnect the power cord from the AC power source.
  - The lamp remains quite hot after power off. Be sure to allow plenty of time (30 minutes to 1 hour) to cool before proceeding.
  - The lamp can break if dropped or subjected to physical shock.
  - Use care not to directly touch or soil the lamp projecting (glass) face.
- When installing the lamp unit, observe the interior projections of the lamp cover are securely inserted into the holes of the projector. Since the lamp cover projections engage the interlock switch part of the protector circuit (normal operating state), be sure the cover is properly positioned and secure with screws.
- The replaced old lamp (depleted lamp unit) can be discarded in the same manner as a fluorescent lamp. Check local ordinances and dispose of the used lamp as prescribed.

2.2.4 Lamp use time reset

- Be sure to reset the Lamp use time after replacing the lamp unit. Unless reset, the projector will cease operation (lamp will not light) when 2000 hours are reached.
  ∗Conversely, reset the use time only after replacing the lamp.
- RESETTING
  (1) Set for stand-by mode.
  (2) In sequence, press the [EXIT], [ENTER] and [HIDE] buttons.
  (3) Press the [▼] button for more than 2 seconds.
  ∗The STAND-BY and OPERATE LEDs alternately flash for about 3 seconds, then only the STAND-BY LED lights steadily.
- RESET AFTER REPLACING MAIN PWB ASS'Y
  The lamp use time data are stored in memory on the MAIN PWB ASS'Y and need to be reentered after replacing the MAIN PWB ASS'Y. Use the special software and a personal computer to reenter the data. Afterwards, confirm the mode has been returned to that prior to board replacement.

2.3 PROJECTION SPECIFICATIONS AND NOTES

2.3.1 Projection distance

- The usable projection distance (focus obtainable) is tele side : approx. 4.94m to 15.1m (DLA-HD10KU/E), 2.77m to 9.32 (DLA-HD10KSU/E) / wide side : approx. , 2.58m to 8.76m (DLA-HD10KU/E), 1.96m to 6.63m (DLA-HD10KSU/E). The picture size (16:9) is 60 to 200 inches.
- Use the wide side for sizes bigger than 200 inches.
- If picture edge distortion occurs at the minimum distance (1.6m), increase the distance slightly.
- The guaranteed projection distance range is from 2m to 10m.

2.3.2 Projection image and image size

- The projection distances and image size relationship given in the operation manual is approximate for general reference. The actual values may vary due to lens tolerance and other factors.

2.3.3 Other cautions

- Use care not to directly touch the lens. Clear soiling from the lens with optical lens paper or a photographer's blower.
- Check the lens cap is removed before projecting. If left installed the projector can overheat and the lens cap can be deformed.
- Sunlight or other illumination can render the image difficult to see. Use a curtain or other means to shield the screen from stray light.

2.4 CONNECTION AND OPERATION CAUTIONS

- The projector can function with fH 56.25kHz, 67.43kHz, 67.5kHz, fV 50Hz, 59.94Hz, 60Hz signal input, but even within this range, partial picture loss, fold-over at the top and bottom picture edges and other effects can occur according to signal type and conditions to prevent a normal projected image (see "Input Sync Frequency" of the OPERATING INSTRUCTION).

2.5 SERVICE POLICY

The following service policy is being utilized.

Item	Parts number	Service method
MAIN PWB ASS'Y	LCA10610-01D	Replace PWB (Some parts are excluded)
DD SUB1 PWB ASS'Y	LCA90234-02B	Replace PWB (Some parts are excluded)
DD SUB2 PWB ASS'Y	LCA90235-02B	Replace PWB (Some parts are excluded)
POWER PWB ASS'Y	LCA10624-01B	Replace parts
IR1 PWB ASS'Y	LCA90531-01C	Replace parts
IR2 PWB ASS'Y	LCA90532-01C	Replace parts
POWER CONTROL PWB ASS'Y	SXG-0P004A	Replace parts
OPERATION PWB ASS'Y	LCA90533-01C	Replace parts
LED PWB ASS'Y	LCA90549-01C	Replace parts
SWITCH PWB ASS'Y	LCA90561-01C	Replace parts
OPTICAL BLOCK PWB ASS'Y	HD10KOP-S	Replace (module) [DLA-HD10KU/E]
OPTICAL BLOCK PWB ASS'Y	HD10KSOP-S	Replace (module) [DLA-HD10KSU/E]
LAMP BALLAST UNIT	QAL0764-001	Replace (module)
LAMP UNIT	BHL5008-S	Replace (module)

2.6 MAIN DIFFERENCE LIST

⚠	Part name	DLA-HD10KU	DLA-HD10KSU	DLA-HD10KE	DLA-HD10KSE	Remark
	OPTICAL BLOCK ASS'Y	HD10KOP-S	HD10KSOP-S	HD10KOP-S	HD10KSOP-S	
⚠	POWER CORD	QMPE330-244-JC	←	QMPL040-200-JC(EU) QMPP170-200-JC(EK)	←	Accessory

2.7 SERVICE MENU

The service menu contains items not ordinarily needed by the user. Use these as necessary during service.

2.7.1 Enter

(1) No menu shown.
(2) Press the [▲] button.
(3) Within press the [▼] button.
(4) Within press the [▶] button.
(5) Within press the [◀] button.
(6) Within press the [ENTER] button to display the service menu.

NOTE:

When the Service Menu Screen is not displayed, go back to the beginning. It is recommended that you press the buttons a little earlier and steadily.

2.7.2 Release

Press the [MENU] button to exit the menu indication.

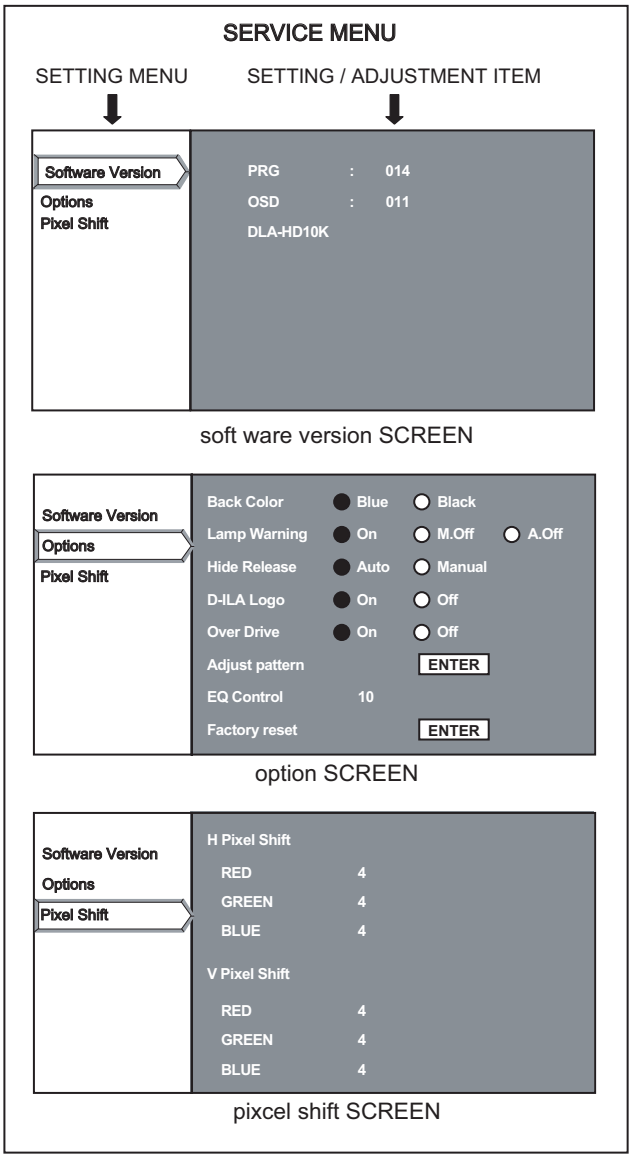
2.7.3 Basic operation

Use the following buttons to operate the service menu.

(1) Choose the SETTING MENU with the [▲/▼] button.
(2) When the [▶] button is pressed after choosing the SETTING MENU, the cursor will shift to the SETTING / ADJUSTMENT ITEMS of each SETTING MENU.
(3) When the cursor is shifted, choose the SETTING / ADJUSTMENT ITEMS with the [▲/▼] button.
(4) Using the [◀ / ▶] button, change the setup values and adjustment values, respectively.
(5) When the [EXIT] button is pressed, the cursor will return to the SETTING MENU.
(6) When the [MENU] button is pressed, the SERVICE MENU will go out of the screen.

NOTE:

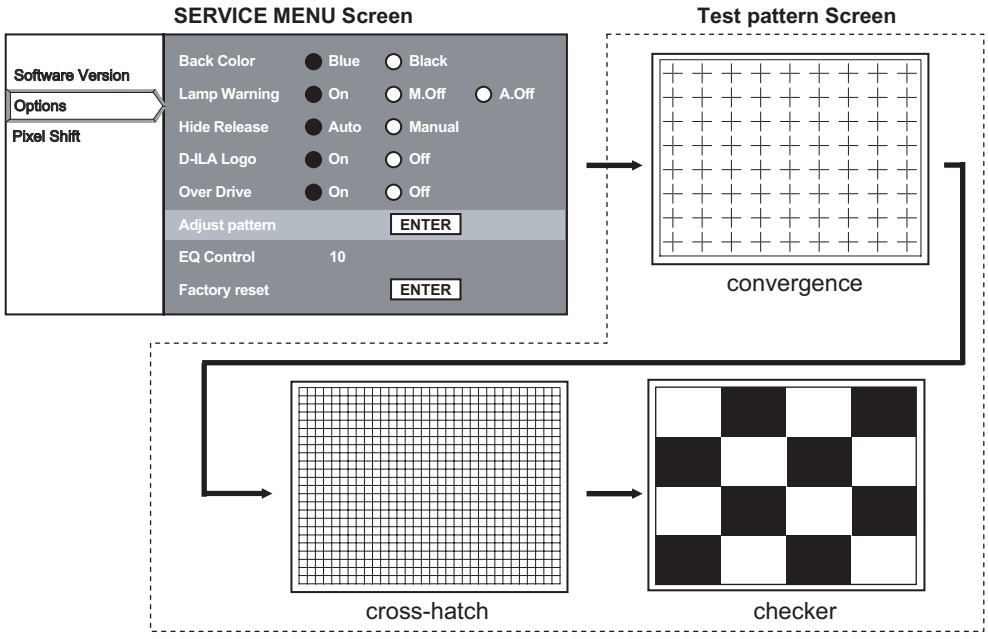
The SERVICE MENU will go out of the screen automatically after 10 seconds if you do not press the [MENU] button.



2.7.4 Setting items

Item	Initial value	Adjustment range	Description	Setting object
◆Software version				
Software version	------	------	Information for the program and screen display.	------
◆Option				
Back color	Blue	[Selected out of 2]	Sets up a background color for no signal status, etc. [BLUE]: blue, [BLACK]: black	Common
Lamp Warning	On	[Selected out of 3]	When M.Off (Message Off) is set, no alarm message appears after 1900 hours of the lamp usage. (The indicator is shown) When A.Off (All OFF) is set, all lamp replacement functions are cancelled.	Common
Hide Release	Auto	[Selected out of 2]	When set to Manual, Hide function cannot be cancelled unless the Hide button is pressed again.	Common
D-ILA Logo	On	[Selected out of 2]	When Off is set, D-ILA logo does not appear when the power is turned on.	Common
Over Drive	On	[Selected out of 2]	Turning this function to OFF causes the overdrive circuit, which improves a blurred moving picture, to be bypassed. This allows a single frame picture delay is deleted that is used for the processing.	Common
Adjust Pattern	------	[Selected out of 3]	Pressing [ENTER] causes the test patterns for adjustment, such as "Convergence," "Cross-hatch," or "Checker" to be displayed. (Refer to the figures below)	Common
EQ Control	10	1 - 15	Changes the characteristic of the Equalizer, which is built into the DVI Receiver.	Common
Factory reset	------	------	Pressing the [ENTER] button causes the unit to be set to initial state.	Common
◆ Pixel shift				
H. Pixel shift	*1Adjustment value	1 - 7	The Pixel Shift function is provided to compensate the REGI (Pixel shift) deviation in CCD system. Up to +/-3 pixels can be shifted to left or right every one pixel for R, G, and B, respectively.	Common
V. Pixel shift	*1Adjustment value	1 - 7	The Pixel Shift function is provided to compensate the REGI (Pixel shift) deviation in CCD system. Up to +/-3 pixels can be shifted to left or right every one pixel for R, G, and B, respectively.	Common

NOTE: Carry out the adjustment with Pixel Adjust in the USER MENU being set to "4"
(Not factory reset item)



(When the ▶ key is pressed, the screen is changed one after the other as shown in the above.)

2.8 FACTORY SHIPPING SETTING

● SET (PROJECTOR) / REMOTE CONTROL UNIT

Switch / Item	Position
MAIN POWER	OFF
HIDE	OFF (display)

●MENU

Item	Position
◆Image adjust	
Gamma	Normal
Color temp.	ENTER
├ Color temp.	D65
├ RED	0 (This adjustment is only available when the USER is selecter for color temperature.)
├ GREEN	0
└ BLUE	0
Test pattern	ENTER
Pixel Adjust	ENTER
├ H Pixel Adjust	
├ RED	4
├ GREEN	4
└ BLUE	4
└ V Pixel Adjust	
├ RED	4
├ GREEN	4
└ BLUE	4
◆Set up	
Menu Position	CENTER
Mask	Off
Fip H	Off
Fip V	Off
Picture Shift	0

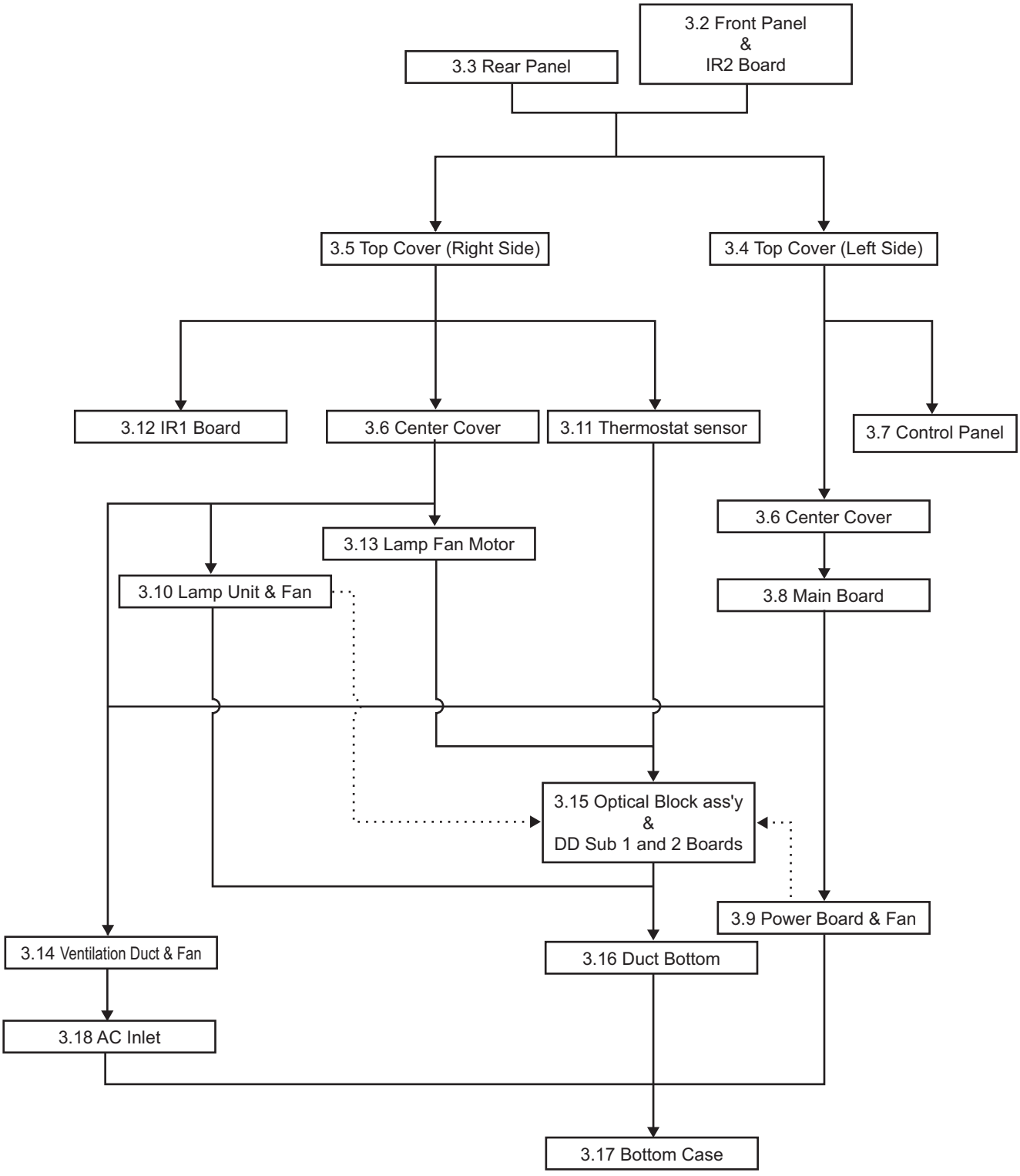
Item	Position
◆Options	
Menu display	15sec
Sleep Time	Off
RS232C(bps)	19200
Focus/Zoom	Unlock
Power Save	Off
◆Information	
Source	Kind of input signal
Lamp time	Lamp usage time

SECTION 3
DISASSEMBLY

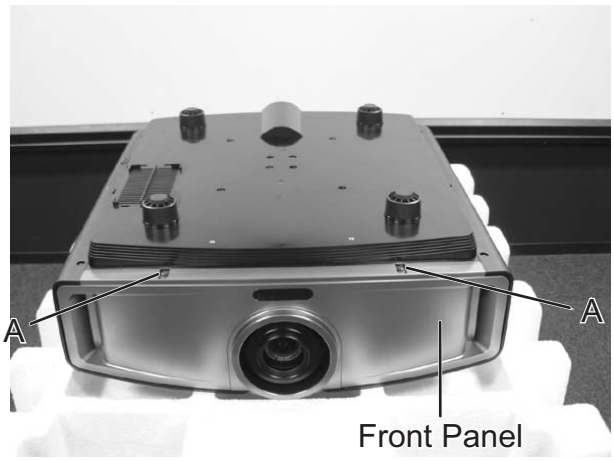
CAUTION:

- Make sure that the AC plug is disconnected from the wall outlet.
- The illuminating lamp remains very hot even after the unit has been turned off. Allow sufficient time until the lamp is cooled off for safety work.

3.1 Disassembly procedure

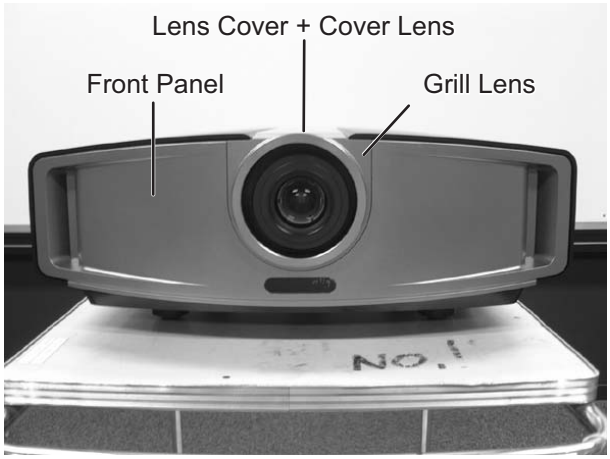

3.2 Front Panel & IR2 Board
3.3 Rear Panel
3.5 Top Cover (Right Side)
3.4 Top Cover (Left Side)
3.12 IR1 Board
3.6 Center Cover
3.11 Thermostat sensor
3.7 Control Panel
3.6 Center Cover
3.13 Lamp Fan Motor
3.10 Lamp Unit & Fan
3.8 Main Board
3.15 Optical Block ass'y & DD Sub 1 and 2 Boards
3.9 Power Board & Fan
3.14 Ventilation Duct & Fan
3.16 Duct Bottom
3.18 AC Inlet
3.17 Bottom Case
A part of work is executed.

3.2 Front Panel & IR2 Board



Example: Packing material is used.

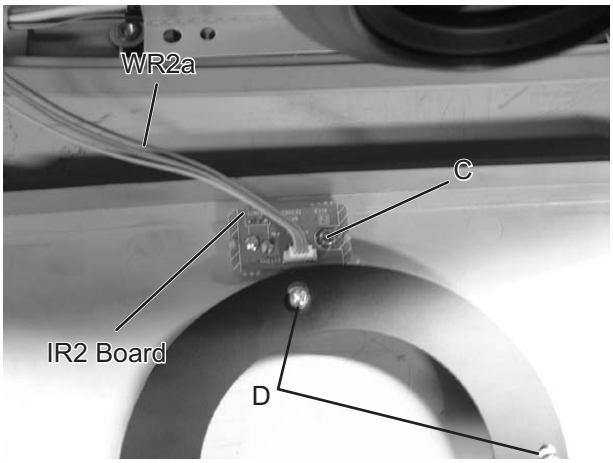
(1) Put the unit up side down with due care, not giving any damage to the exterior.
(2) Remove the 2 screws **A** (QYSDSP4010NA) fixed in the lower part of the Front Panel (LC12566-001B) and replace the unit to its original position.



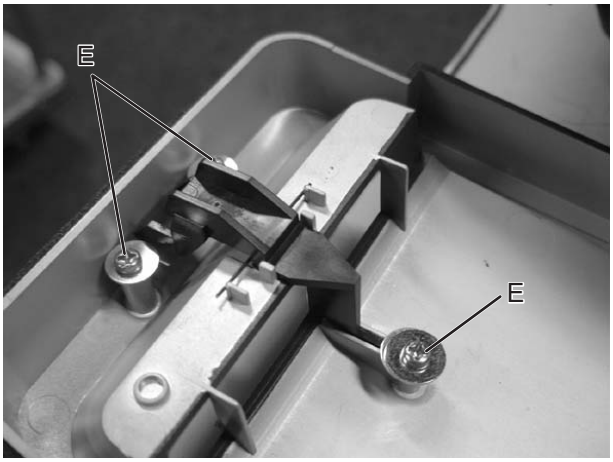
(3) Remove the Lens Cap (LC32282-002A). Turn the Cover Lens (LC22032-001B) and Lens Cover (LC42374-001A) to left and remove them.
(4) Remove the Grill Lens (LC22033-001A).

(5) Remove the 2 screws **B**(QYSDSP3008MA).

(6) Press the Locker (LC33327-001A) situated at the left and right sides inwards to remove the Front Panel.

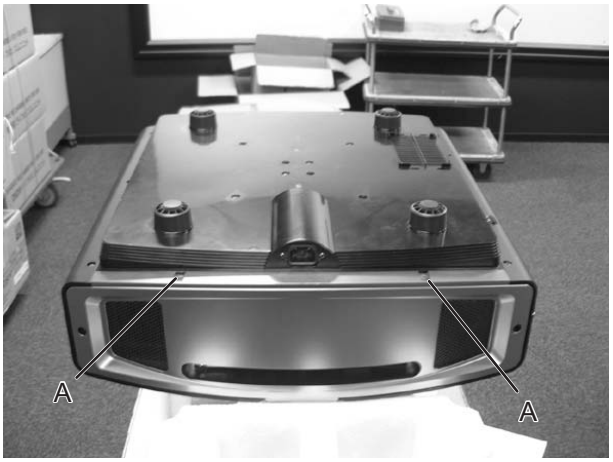


(7) Remove the wire WR2a (QJJ057-045224-E) from the IR2 Board.
(8) Remove the screw **C** (QYSBSG3008ZA) to remove the IR2 Board Assembly.
(9) The Shading Plate is fixed to the Front panel with the 3 screw **D**(QYSBSG3008ZA).

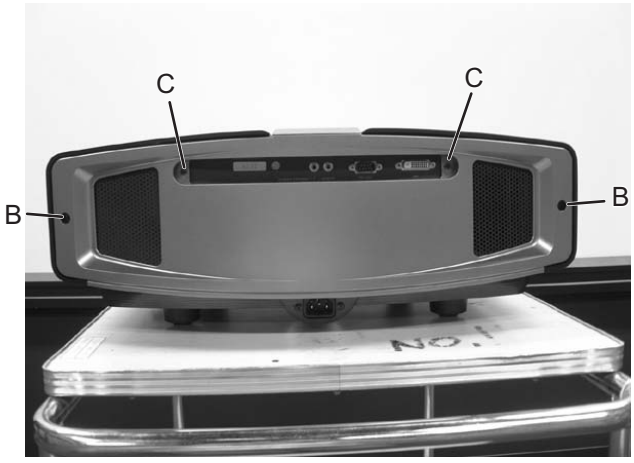


(10) Remove the 3 screws **D** (QYSBSG3008ZA) to remove the Locker (LC33327-001A) and the Spring (LC42384-001A).

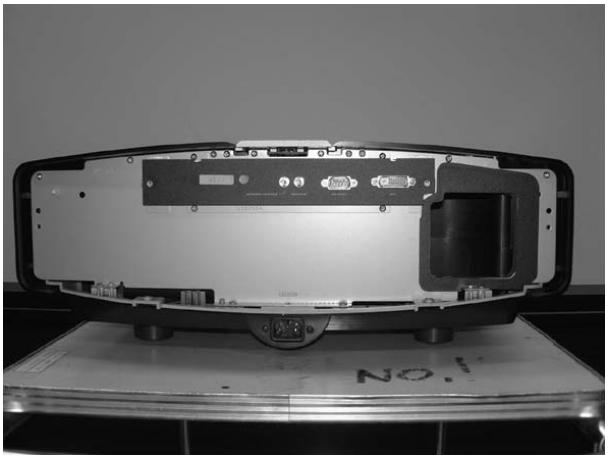
3.3 Rear Panel



(1) Put the unit up side down with due care, not giving any damage to the exterior.
(2) Remove the 2 screws A (QYSDSP4010NA) fixed in the lower part of the Rear Panel and then replace the unit to its original position.

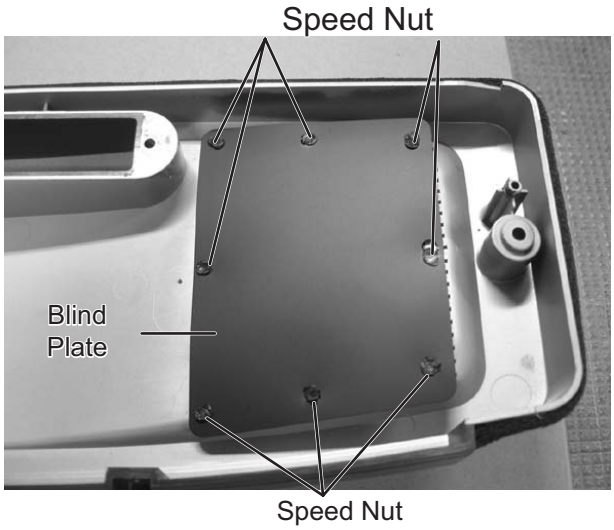


(3) Remove the 2 screws B (QYSDSP4010MA) and the 2 screw C (QYSDSP3008MA) to detach the Rear Panel.

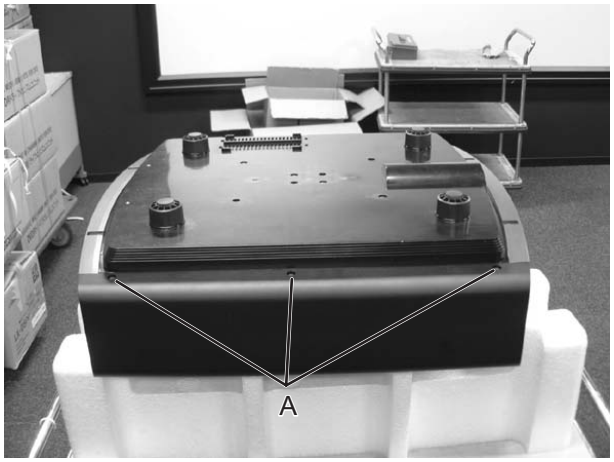


(4) Remove the Rear Panel.

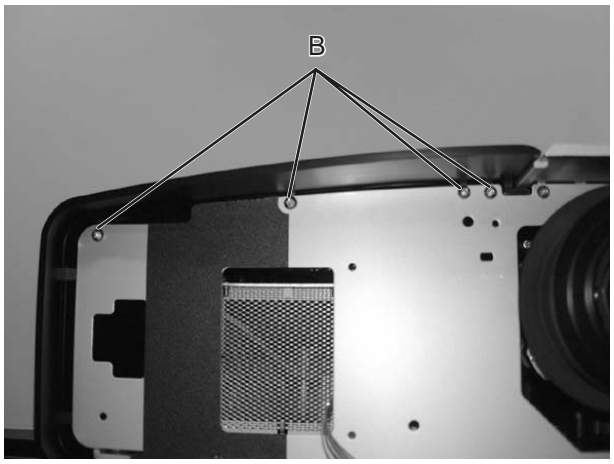
(5) The punching Metal (2 pieces, left and right) (LC42353-001A) and the Blind Plate (LC42371-001A) are fixed to the Rear Panel (LC12567-001B) with the 8 Speed Nuts (LC42442-001A).



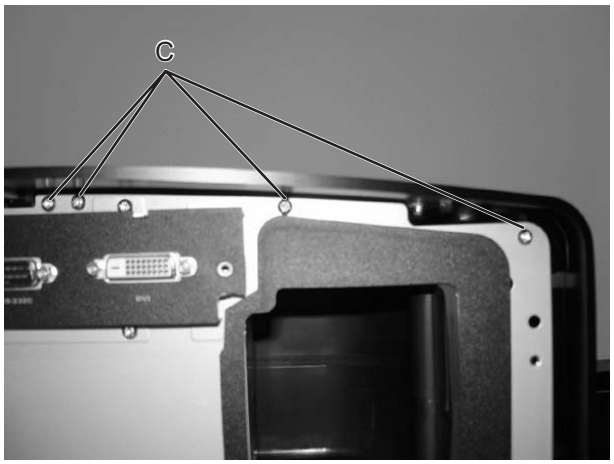
3.4 Top Cover (Left)

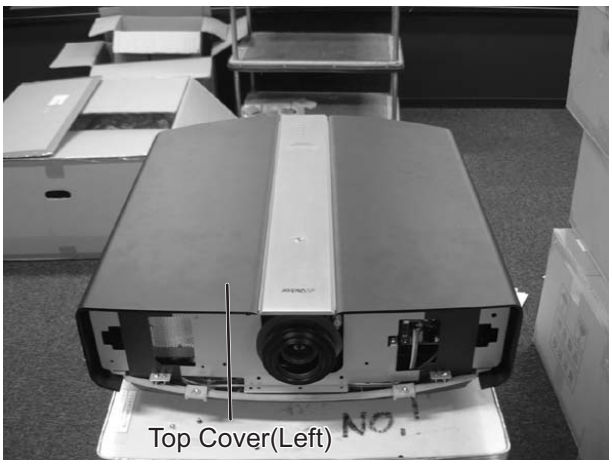


- 3.2 Remove the Front Panel.
- 3.3 Remove the Rear Panel.
  (1) Put the unit up side down with due care, not giving any damage to the exterior.
  (2) Remove the 3 screws **A** (QYSDSP4010NA) in the lower part of the Top Cover (Left) and replace the unit to its original position.

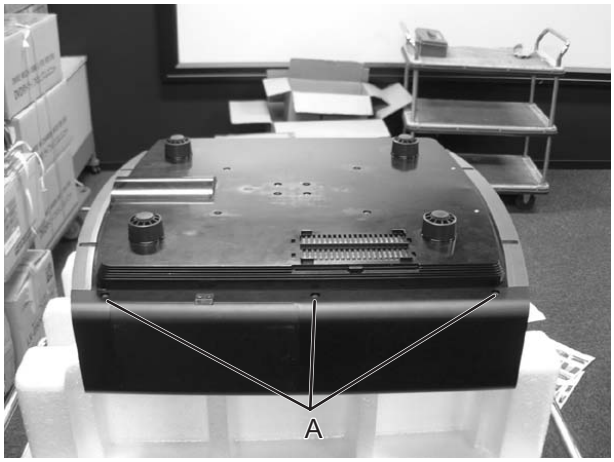


(3) Remove the 4 screws **B** (QYSBSG3008ZA) and the 4 screws C (QYSBSG3008ZA) at the rear side to remove the Top Cover (Left) (LC12516-001B).

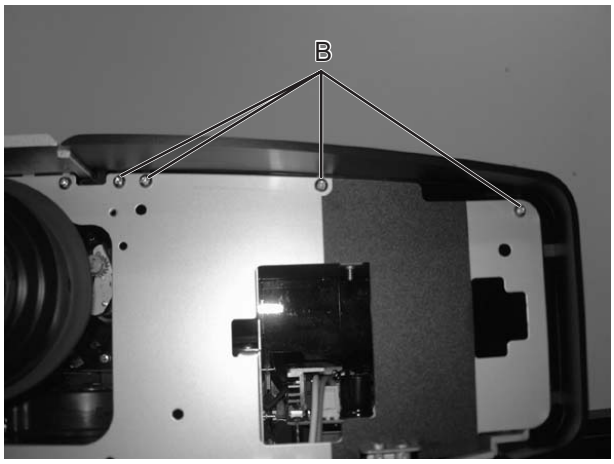




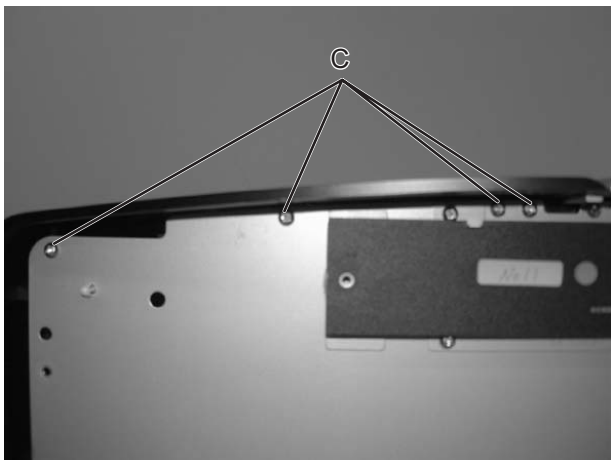
3.5 Top Cover (Right)

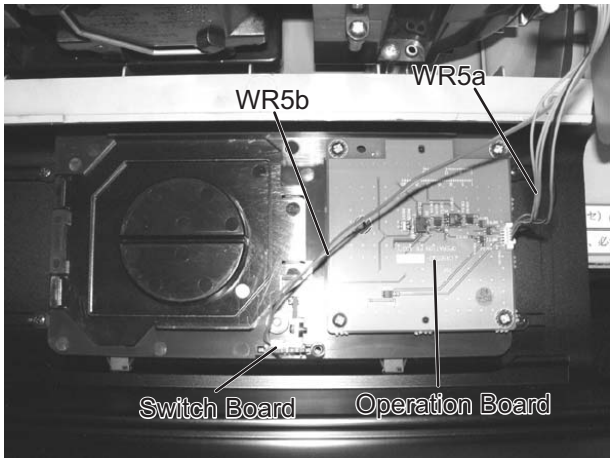


- 3.2 Remove the Front Panel.
- 3.3 Remove the Rear Panel.
  (1) Put the unit up side down with due care, not giving any damage to the exterior.
  (2) Remove the 3 screws **A** (QYSDSP4010NA) attached at the lower part of the Top Cover (Right) and replace the unit to its original position.

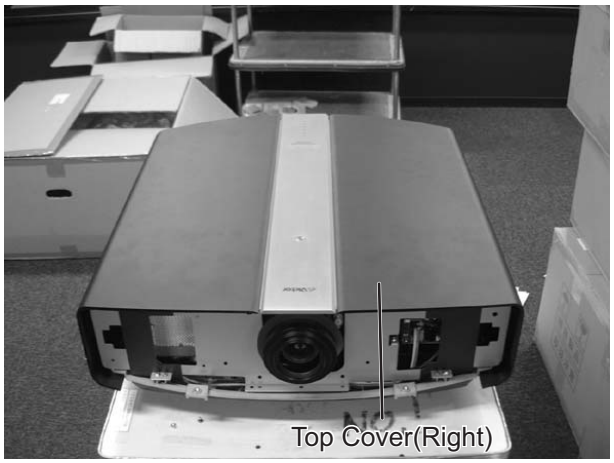


(3) Remove the 4 screws **B**(QYSBSG3008ZA) at the front side and the 4 screws **C** (QYSBSG3008ZA) at the rear side.

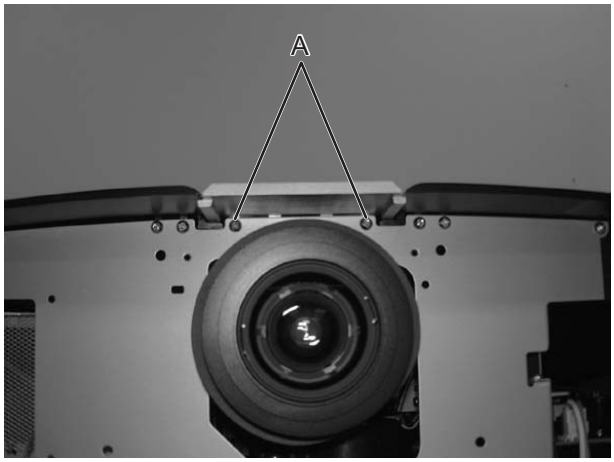




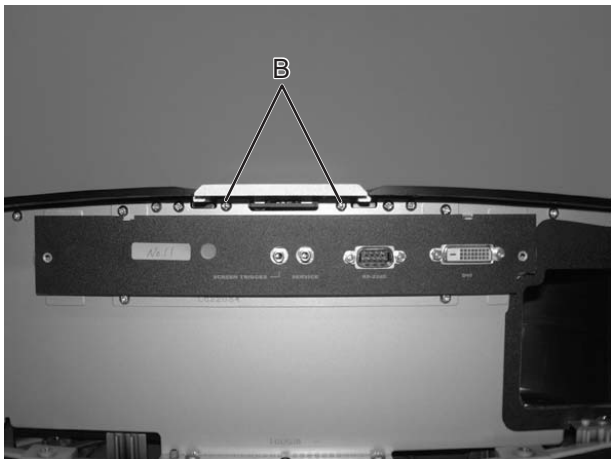
(4) Remove the wire WR5a (QJJ057-053610-E) from the Operation Board.
(5) Remove the wire WR5b (QJJ057-024212-E) from the Switch Board.
(6) Remove the Top Cover (Right) (LC12515-001B).

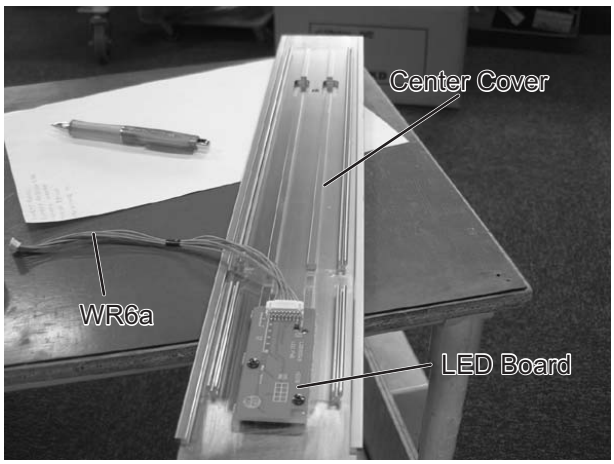


3.6 Center Cover

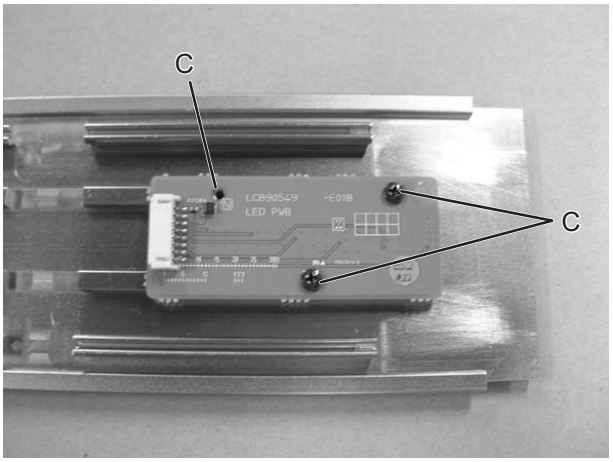


- 3.2 Remove the Front Panel.
- 3.3 Remove the Rear Panel.
- 3.4,3.5 Remove the Top Cover (Right or Left).
  (1) Remove the 2 screws A (QYSBSG3008ZA) of front-side and the 2 screws B (QYSBSG300BZA) of rear-side.

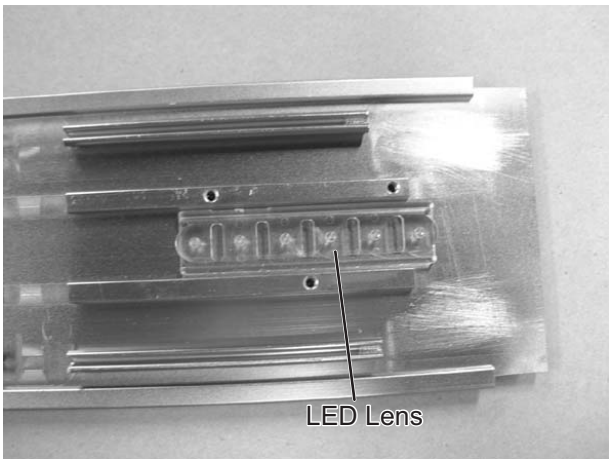




(2) Remove the wire WR6a (QJJ039-082223-E) from the LED Board.
(3) Remove the Center Cover (LC12517-001C
).

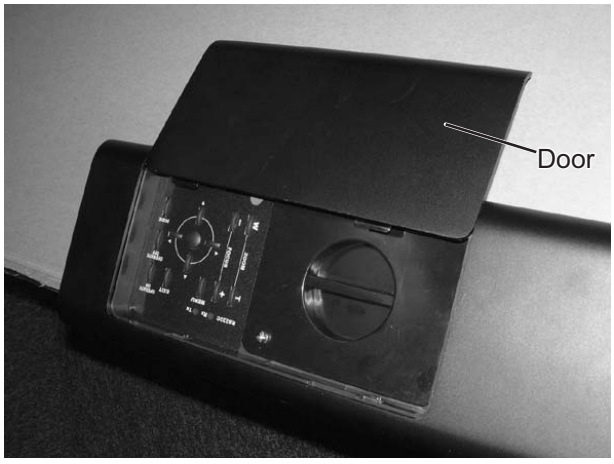


(4) Remove the 3 screws C (QYSDSP3006ZA) to remove the LED Board.

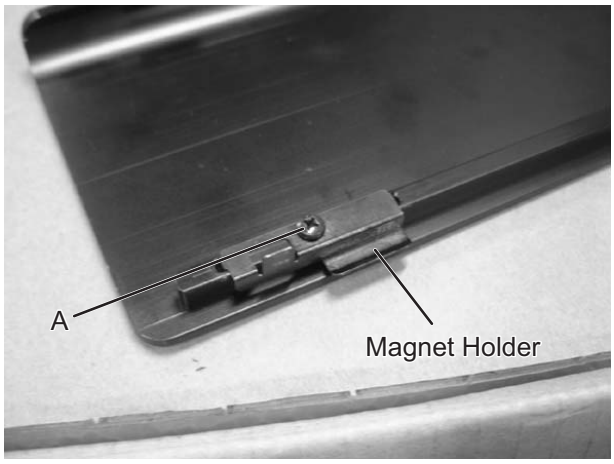


(5) Once the LED Board is detached, the LED Lens (LC33329-001B) can be removed.

3.7 Control Panel

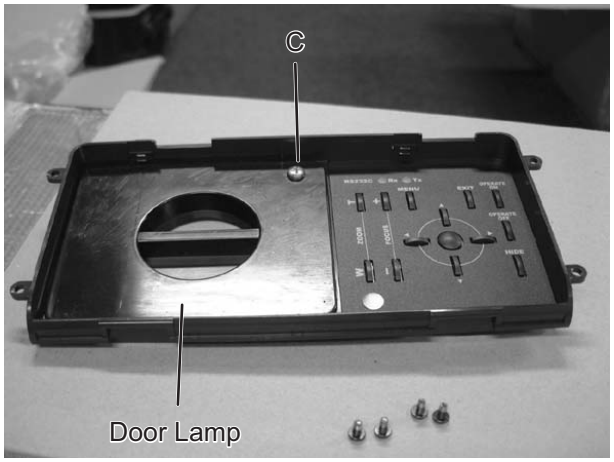


- 3.2 Remove the Front Panel.
- 3.3 Remove the Rear Panel.
- 3.4,3.5 Remove the Top Cover (Right or Left).
  (1) Remove the Door (LC21992-001B).

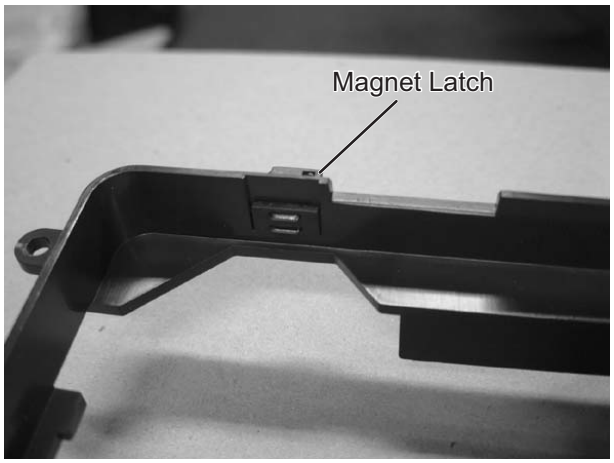


(2) On the Door, 2 pieces of the Magnet Holder (LC42354-001A) are fixed with the screw **A** (QYSDSP3006ZA).

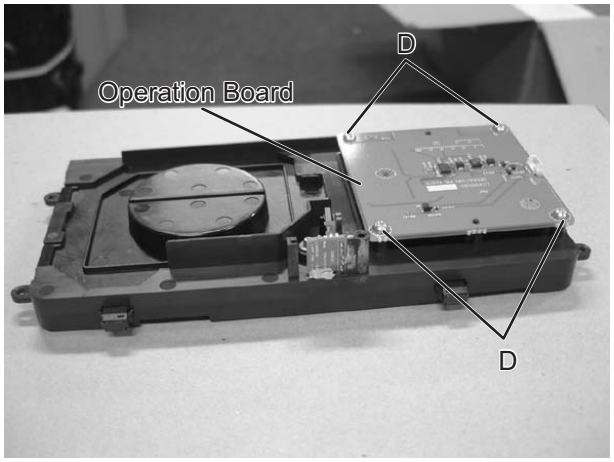
(3) Remove the 4 screws **B** (QYSDSP3006A) to remove the Control Panel (LC12579-001B).



(4) Remove the screw **C** (LC41364-002A) to remove the Door Lamp (LC22037-001A).

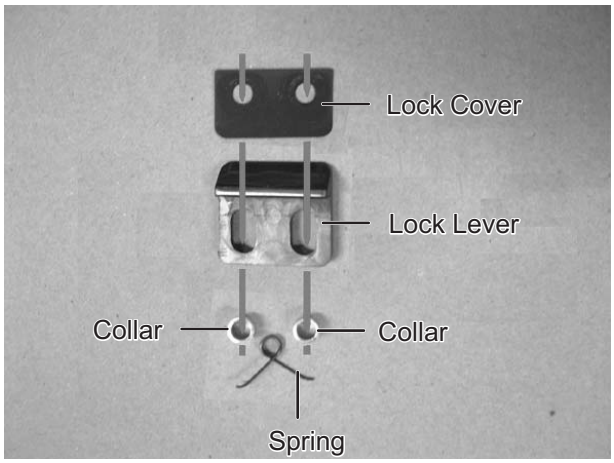


(5) Remove the 2 Magnet Latches (QZW0262-001).

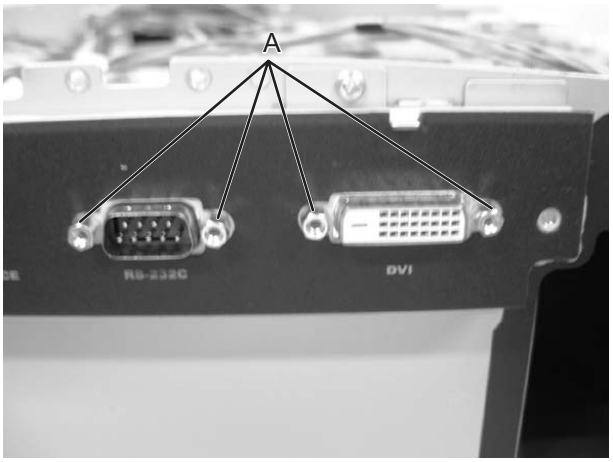


(6) Remove the 4 screws **D** (QYSBSG3008ZA) to remove the Operation Board.

(7) The Lock section is composed of the Lock Lever (LC33328-001A), 2 pieces of the Collar (LC42383-001A), the Spring (LC42384-001A) and the Lock Cover (LC42450-001A) and is attached to the Top Cover (Right) with the 2 screws **E** (QYSDSP3006MA).

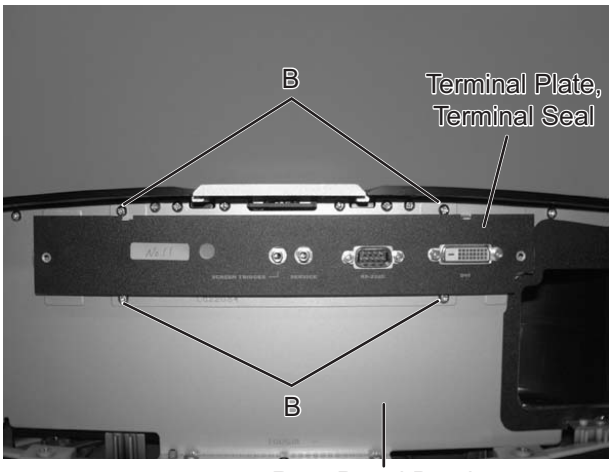


3.8 Main Board

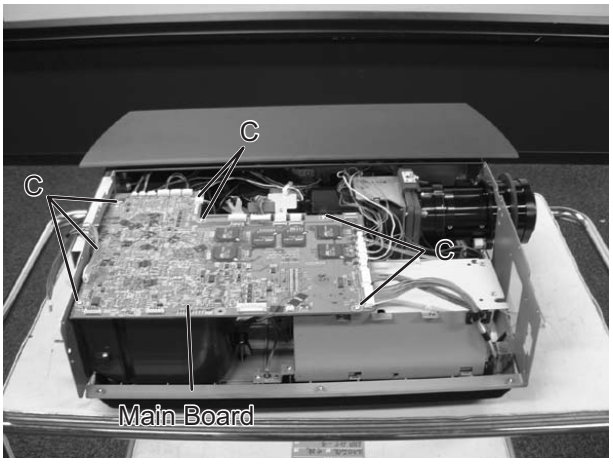


- 3.2 Remove the Front Panel.
- 3.3 Remove the Rear Panel.
- 3.4 Remove the Top Cover (Left).
- 3.6 Remove the Center Cover.

(1) Remove the 4 hex head screws **A** (QNB0037-001) that fix RS-232C and DVI connectors.

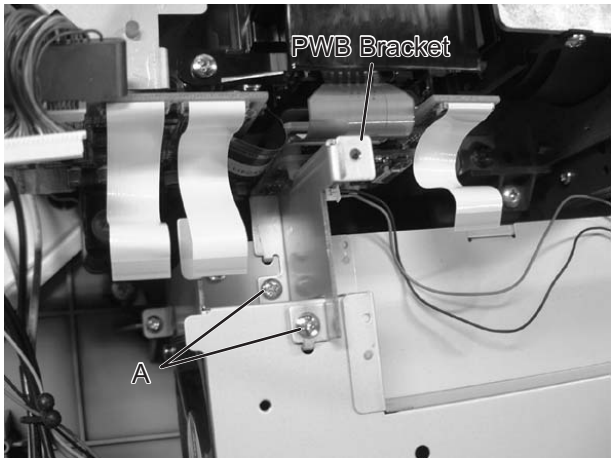


(2) Remove the 4 screws **B** (QYSBSG3008ZA) to remove the Terminal Plate (LC22034-001B) and Terminal Seal (LC33353-001A) from the Rear Panel Bracket (LC12578-001A).



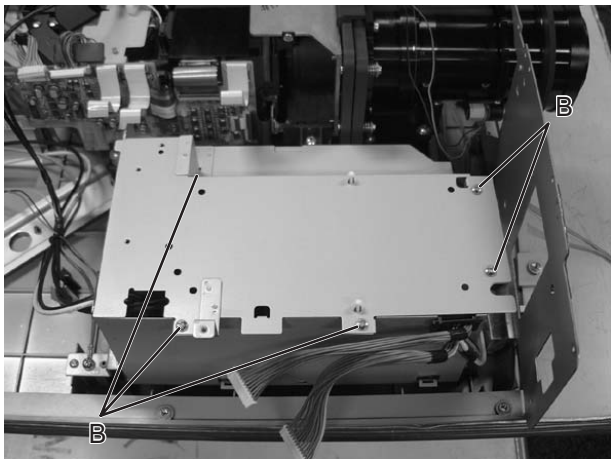
(3) Remove the wires.
(4) Remove the 7 screws **C** (QYSBSG3008ZA) to remove the Main Board.

3.9 Power Board & Fan

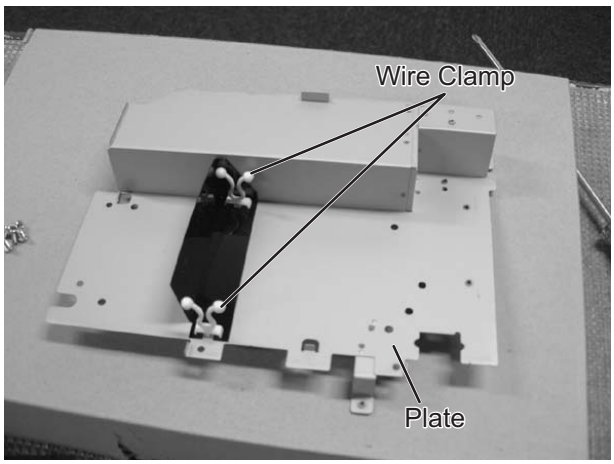


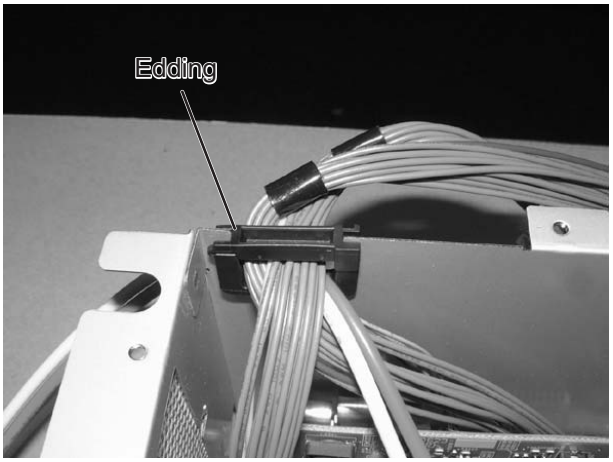
- 3.2 Remove the Front Panel.
- 3.3 Remove the Rear Panel.
- 3.4 Remove the Top Cover (Left).
- 3.6 Remove the Center Cover.
- 3.8 Remove the Main Board.

(1) Remove the 2 screws **A** (QYSDSP3006NA) to remove the PWB Bracket (LC33334-001B).

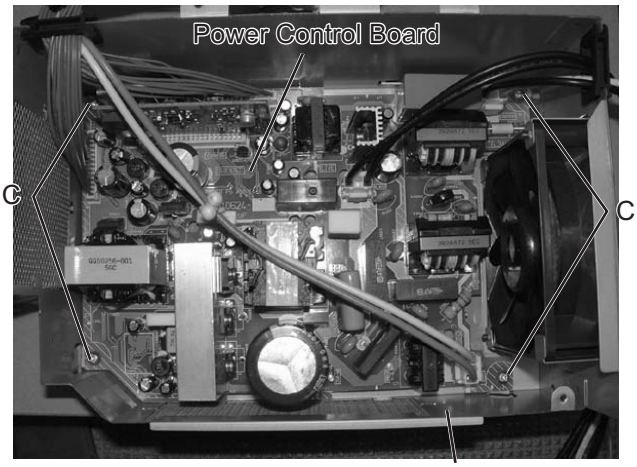


(2) Remove the 5 screws **B** (QYSDSP3006NA) to remove the Shield Cover (LC21112-002A). On the Shield Cover, the Plate (LC33332-001A) is attached with the Wire Clamp (QZW0030-001).

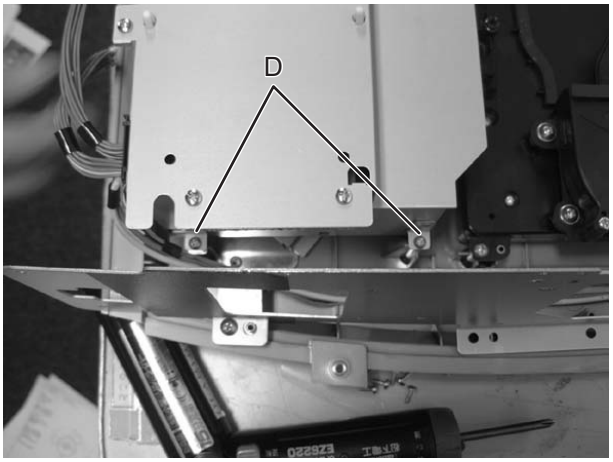




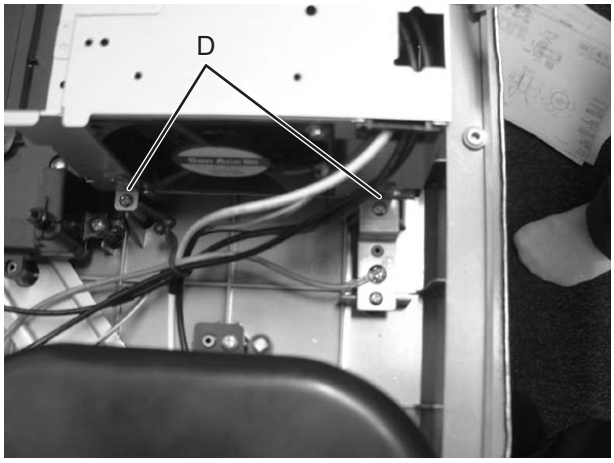
(3) Remove the Edging (QZW0050-001) to remove all wire harnesses connected to the Power Board.



(4) Extract the Power Control Board from the connector.
(5) Remove the 4 screws **C** (QYSBSG3008ZA) to remove the Power Board and the PC Plate (LC32031-001A).

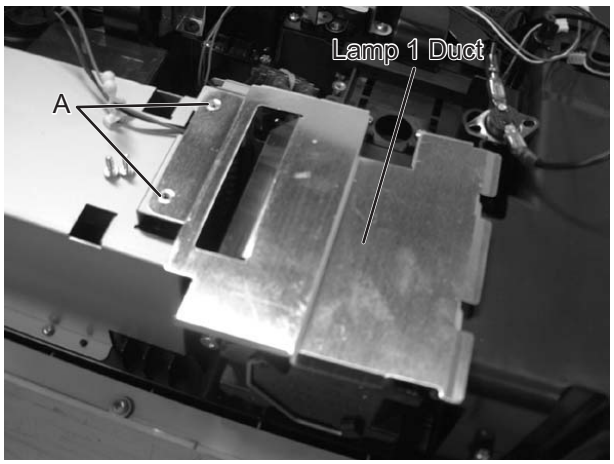


(6) Remove the 4 screws **D** (QYSBSG3008ZA) to remove the Shield Case (LC11437-002A).



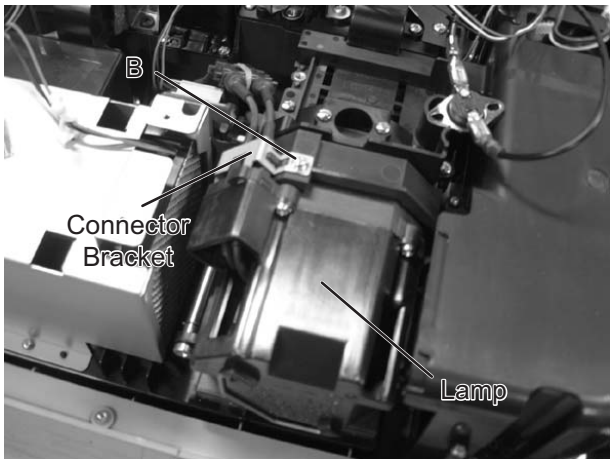
(7) Remove the 2 screws **E** to remove the Fan Motor from the Shield Case.

3.10 Lamp Unit & Fan

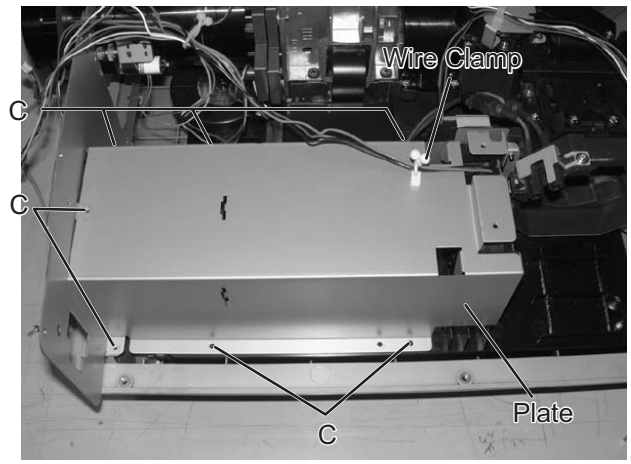


- 3.2 Remove the Front Panel.
- 3.3 Remove the Rear Panel.
- 3.4 Remove the Top Cover (Left).
- 3.6 Remove the Center Cover.

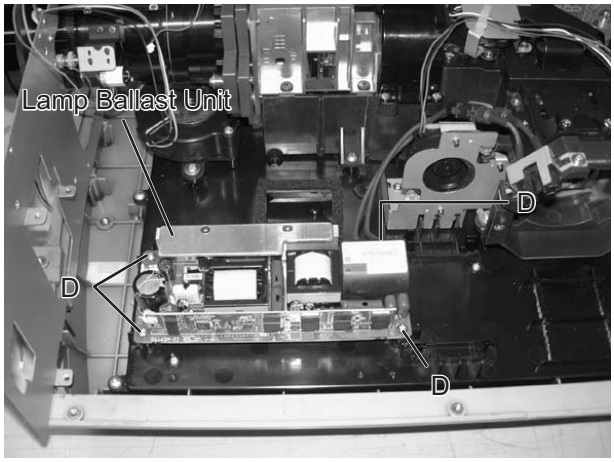
(1) Remove the 2 screws **A** (QYSBSG3008ZA) and detach the Lamp 1 Duct (LC32001-001B).



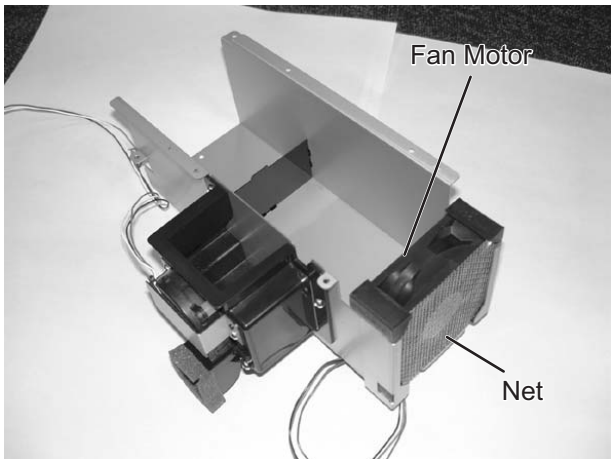
(2) Remove the Lamp (BHL5008-S).
(3) Loosen the screw **B** (QYSDSP3006NA) that fixes the Connector Bracket (LC42379-001A) and remove the connector.



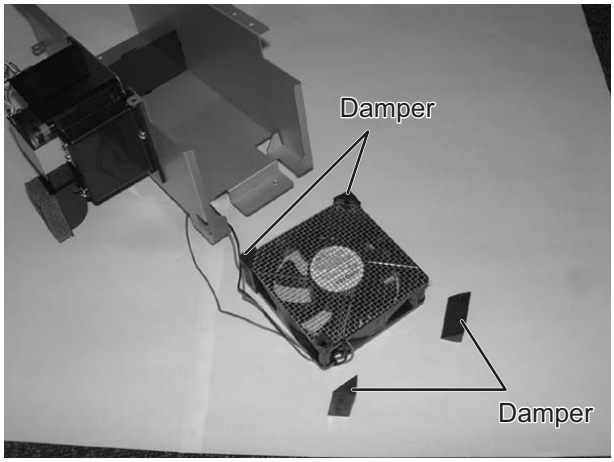
(4) Remove the 7 screws **C** (QYSBSG3008ZA) to remove the Ballast Case (LC22035-001C). On the Ballast Case, the Plate (LC42358-001A) and Wire Clamp (QZW0030-001) are attached.

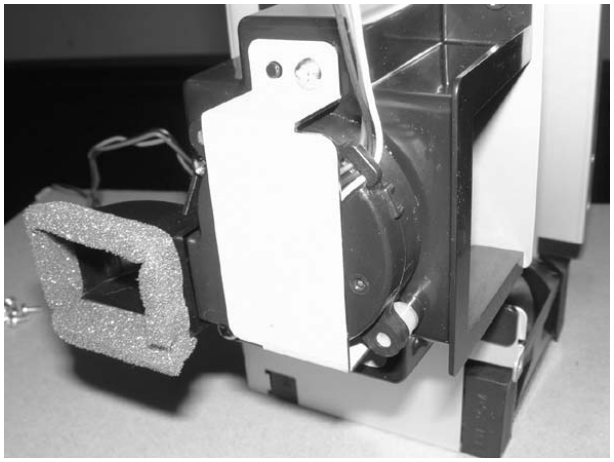


(5) Remove the 4 screws **D** (QYSBSG3008ZA) to remove the Lamp Ballast Unit (QAL0764-001).

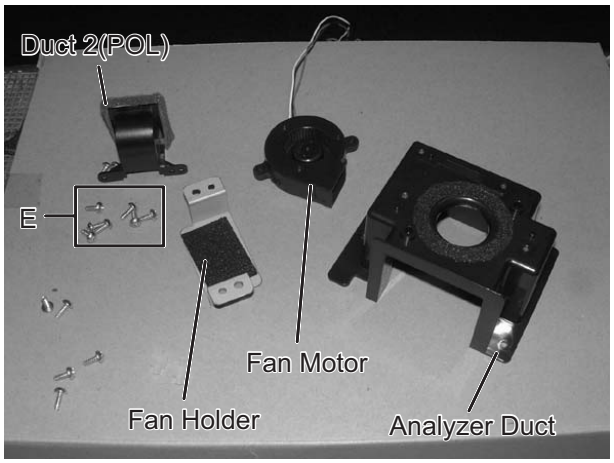


(6) The Fan Motor (QAR0395-001) is assembled with the Net (LC41446-001B) and 4 pieces of the Damper (LC41454-001A) into the Ballast Case.

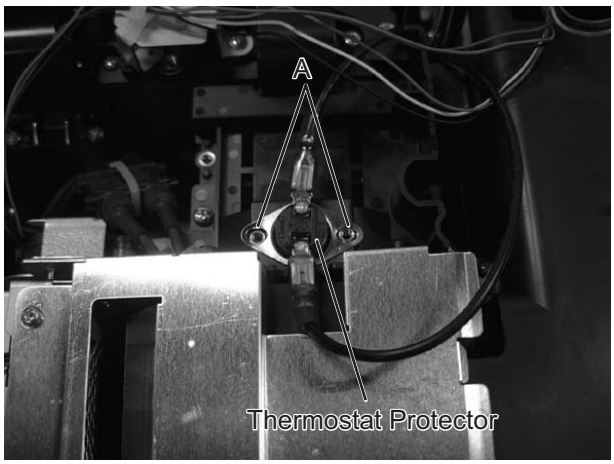




(7) Assemble the Analyzer Duct (LC22036-001A), Duct 2 (POL)(LC32036-001C), Fan Holder (LC33331-001A), Damper (LC42355-001A) and the Fan Motor (QAR0394-001) into one module and attach it to the Ballast Case. Use the 7 screws **E** (QYSBSG3008ZA) for the assembly.

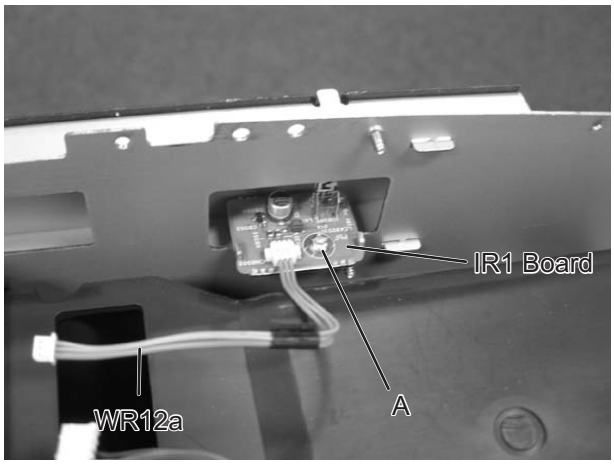


3.11 Thermostat Protector



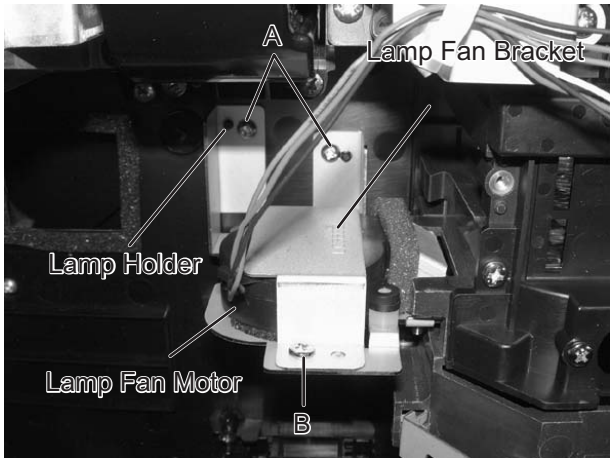
- 3.2 Remove the Front Panel.
- 3.3 Remove the Rear Panel.
- 3.5 Remove the Top Cover (Right).
  (1) Remove the 2 screws A (QYSDSP3006NA) to remove the Thermostat Protector (QMR0009-001).

3.12 IR1 Board



- 3.2 Remove the Front Panel.
- 3.3 Remove the Rear Panel.
- 3.5 Remove the Top Cover (Right).
  (1) Remove the Wire WR12a (QJJ057-031013-E) from the IR1 Board.
  (2) Remove the screw A (QYSBSG3008ZA) attached to the Rear Panel Bracket and remove the IR1 Board.

3.13 Lamp Fan Motor

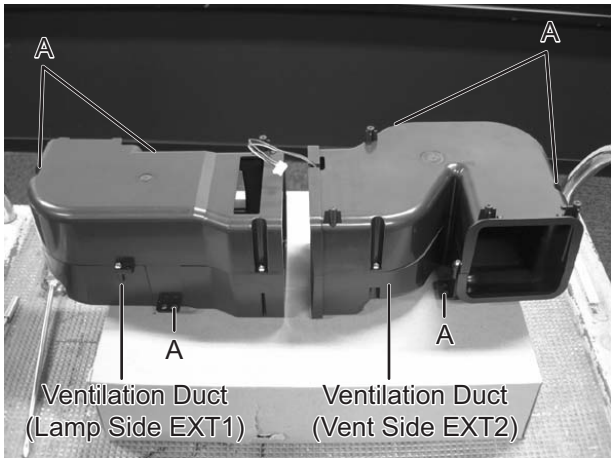


- 3.2 Remove the Front Panel.
- 3.3 Remove the Rear Panel.
- 3.5 Remove the Top Cover (Right).
- 3.6 Remove the Center Cover.
  (1) Remove the 2 screws **A** (QYSBSG3008ZA), detach the Lamp Fan Holder (LC42359-001A) and then remove the Lamp Fan Motor.
  (2) The Lamp Fan Motor is composed of the Lamp Fan Holder, Lamp Fan Bracket (LC42360-001A), Fan Motor (QAR0397-001) and 2 pieces of the Damper (LC42355-001A) and assembled with the 2 screws **B** (QYSBSG3008ZA).

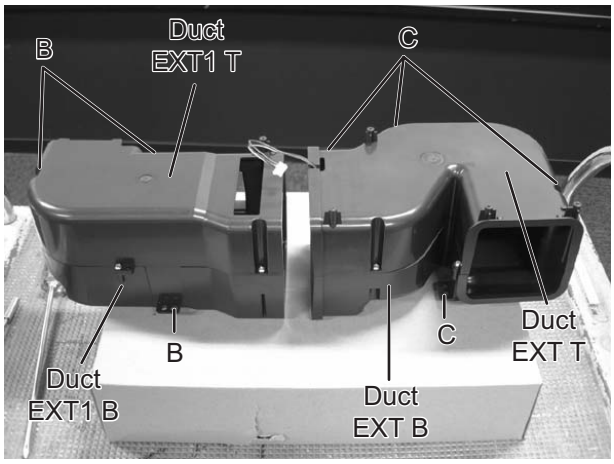
3.14 Ventilation Duct & Fan

- 3.2 Remove the Front Panel.
- 3.3 Remove the Rear Panel.
- 3.4,3.5 Remove the Top Cover (Right and Left)
- 3.6 Remove the Center Cover.
- 3.8 Remove the Main Board.

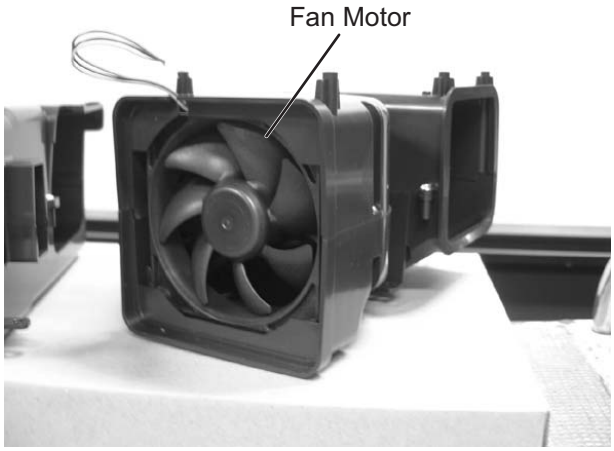
NOTE: The Ventilation Duct is separated to the Lamp side (EXT1) and the Vent side (EXT2). Each section is further divided to the upper and lower portions.



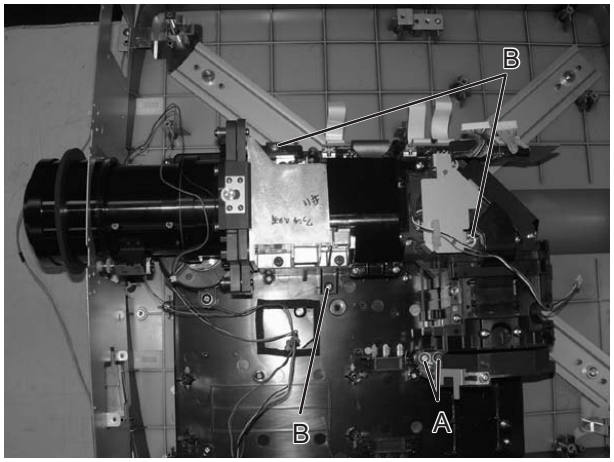
(1) Remove the 3 screws A (QYSBSG4010ZA) and then remove the Ventilation Ducts on the lamp side and the vent opening side, respectively.



(2) Lamp side duct - Remove the 5 screws B (QYSBSG3008ZA) to separate the Duct EXIT1_T (LC12570-001B) and the Duct EXT1_B (LC12571-001B).
(3) Vent side duct - Remove the 5 screws C (QYSBSG3008ZA) to separate the Duct EXIT2_T(LC12572-001A) and the Duct EXIT2_B (LC12573-001A). The Fan Motor (QAR0398-001) and 4 pieces of the Damper (LC41454-001A) are also removed at the same time.



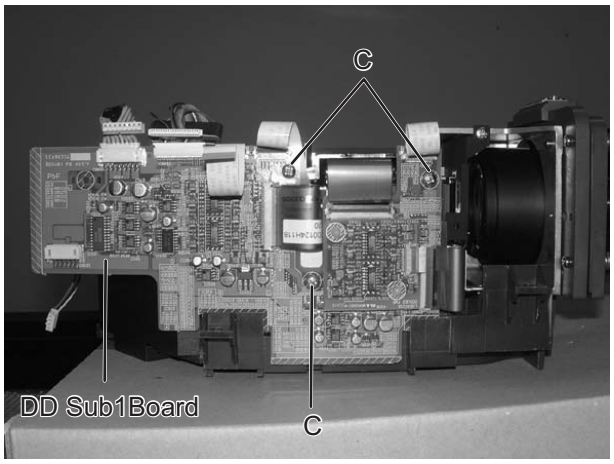
3.15 Optical Block and DD Sub 1 & 2 Board



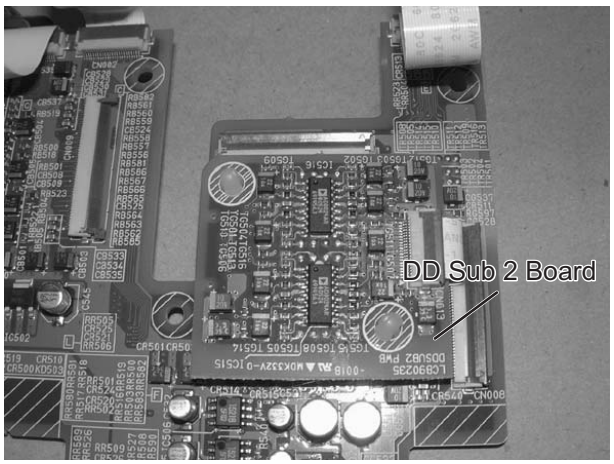
- 3.2 Remove the Front Panel.
- 3.3 Remove the Rear Panel.
- 3.4,3.5 Remove the Top Cover (Right and Left)
- 3.6 Remove the Center Cover.
- 3.8 Remove the Main Board.
- 3.9 (1)Remove the Board Bracket.
- 3.10 (1)Remove the Lamp Duct.
- 3.11 Remove the Thermostat Protector.
- 3.13 Remove the Lamp Fan Motor

NOTE: Prior to disassembly, remove the wires of the Zoom Motor and the Fan Motor from their associated connectors.

(1) To detach the Optical Block, remove the 2 screws **A** at the lamp side [a combination of the special screw (LC41772-001A) and the spacer (LC40113-002A)] and the 3 screws **B** (QYSBSG4010ZA) at the device side.

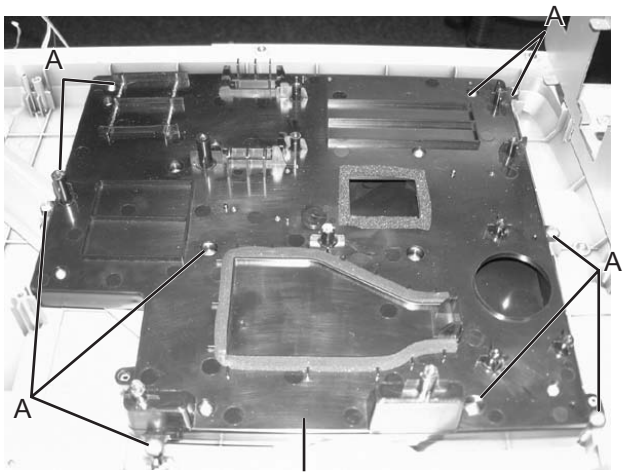


(2) Remove the 3 screws C (QYSDSP3006NA) to remove the DD Sub 1 Board.



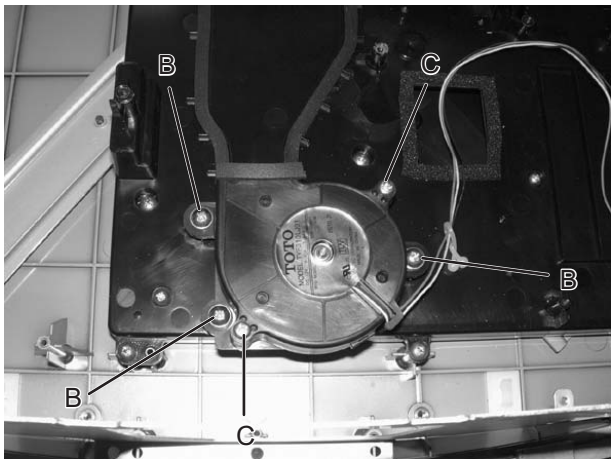
(3) The DD Sub 2 Board is attached to the DD Sub 1 Board.

3.16 Duct Bottom & Fan

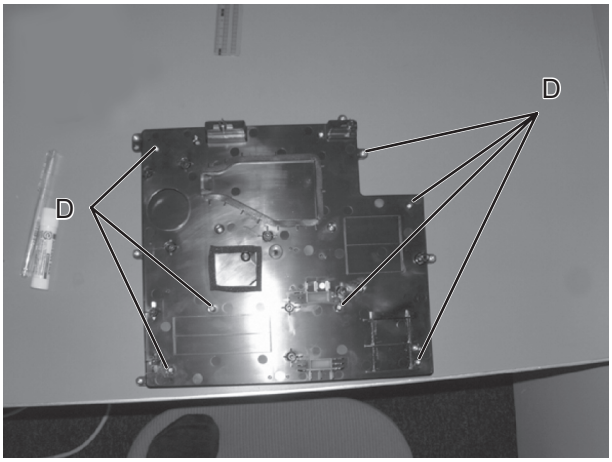


- 3.2 Remove the Front Panel.
- 3.3 Remove the Rear Panel.
- 3.4,3.5 Remove the Top Cover (Right and Left)
- 3.6 Remove the Center Cover.
- 3.8 Remove the Main Board.
- 3.9 (1) Remove the Board Bracket.
- 3.10 (1)Remove the Lamp Duct.
- 3.11Remove the Thermostat Protector.
- 3.10 Remove the Lamp Unit.
- 3.13 Remove the Lamp Fan Motor.
- 3.15 Remove the Optical Block.

(1) Remove the 10 screws **A** (QYSBSG4010ZA) from the Bottom Case (LC12565-001B) and remove the Duct Bottom.

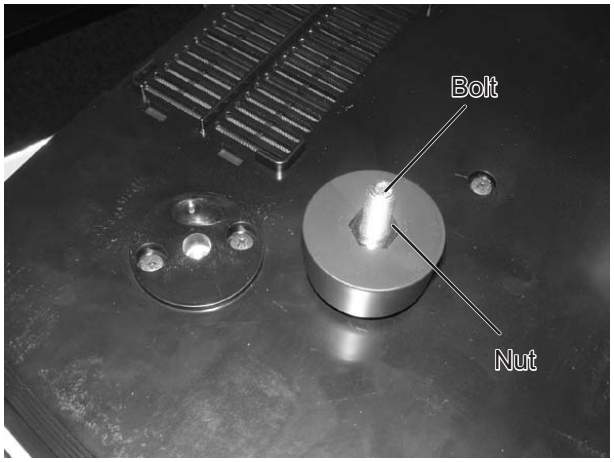


(2) Remove the special 3 screws **B** (LC41772-001A) to remove the Fan Holder. The Fan Motor (QAR0393-001) is fixed to the Fan Holder with the special 2 screws **C** (LC41768-001A)

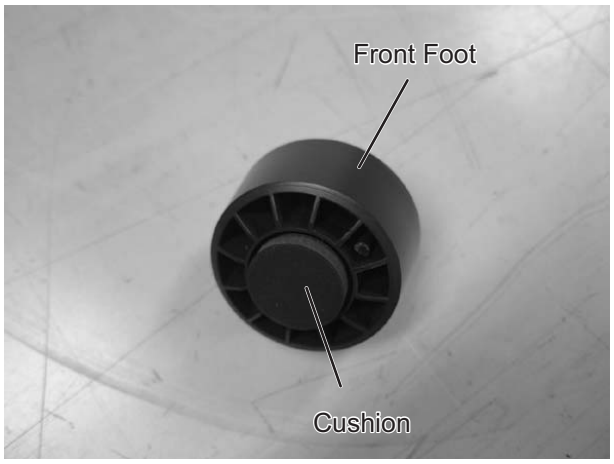


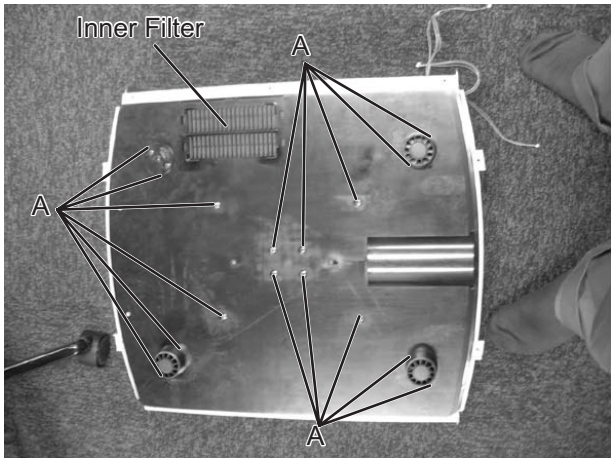
(3) The Duct Bottom can be separated to the Duct Bottom B (LC12569-001A) and the Duct Bottom T (LC12568-001C) by removing the 7 screws **D** (QYSBSG3008ZA).

3.17 Bottom Case

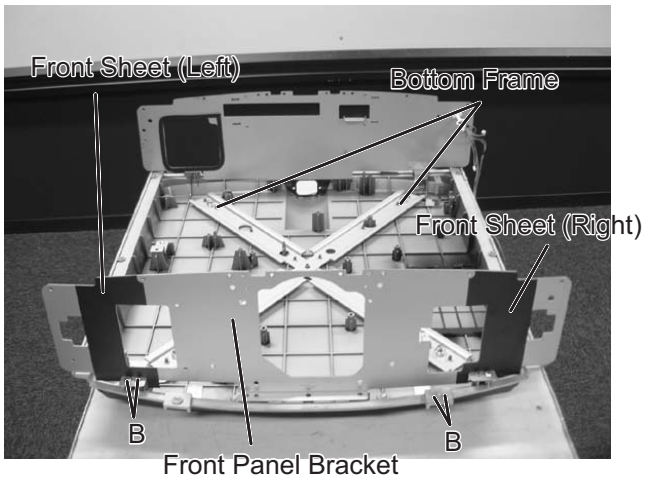


- 3.2 Remove the Front Panel.
- 3.3 Remove the Rear Panel.
- 3.4,3.5 Remove the Top Cover (Right and Left)
- 3.6 Remove the Center Cover.
- 3.8 Remove the Main Board.
- 3.9 Remove the Power Board.
- 3.10 Remove the Lamp Unit.
- 3.11 Remove the Thermostat Protector.
- 3.13 Remove the Lamp Fan Motor.
- 3.14 Remove the Ventilation Duct & Fan.
- 3.15 Remove the Optical Block.
- 3.16 Remove the Duct Bottom.
- 3.18Remove the AC Inlet
  (1) Remove the Foot. The Foot is composed of the Front Foot (LC30843-004A), Cushion (LC42364-001A), Bolt (QYBNSP8035NA) and Nut (QYNTS8000R).

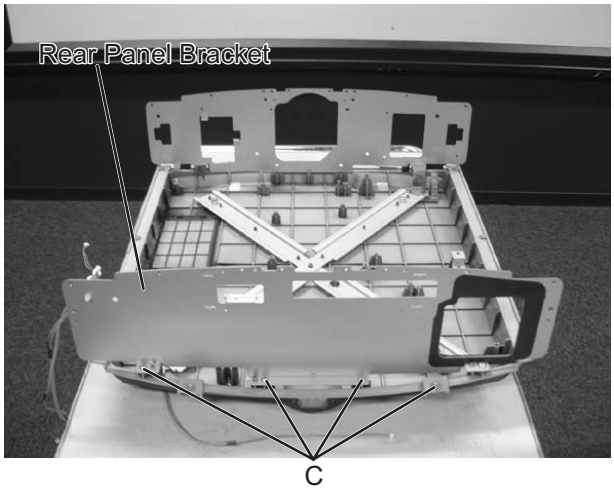




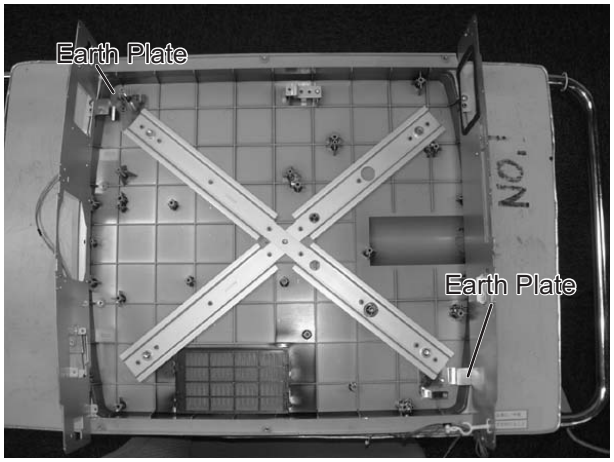
(2) Remove the 8 screws **A** (QYSDSP4010NA) and then remove the Bottom Frame (LC22038-001A).

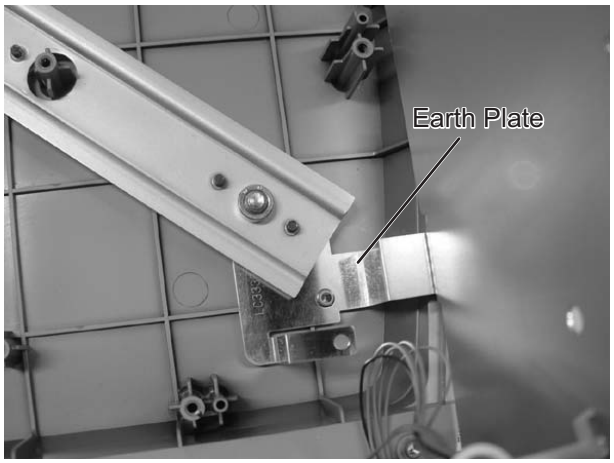


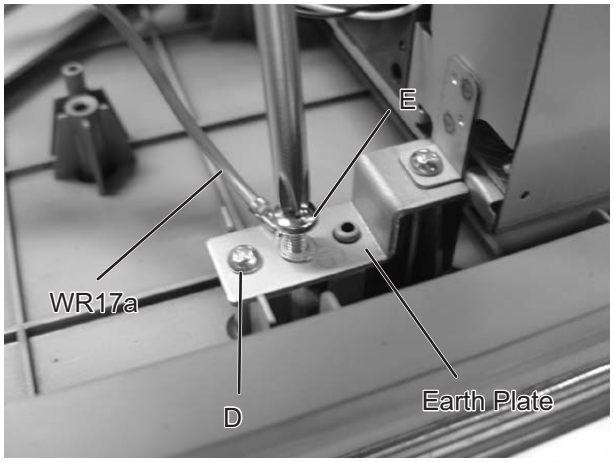
(3) Remove the 4 screws **B** (QYSBSG4010ZA) to remove the Front Panel Bracket (LC12577-001B). The co-fastened Earth Plate (LC3333-001B) is removed at the same time. On the Front Panel Bracket, the Front Sheet (Right)(LC42369-001A) and Front Sheet (Left)(LC42370-001A) are attached.



(4) Remove the 2 screws **C** (QYSBSG4010ZA) to remove the Rear Panel Bracket (LC12578-001A). The co-fastened Earth Plate is removed at the same time. On the Rear Panel Bracket, the Rear Panel Sheet (LC42372-001A) is attached.

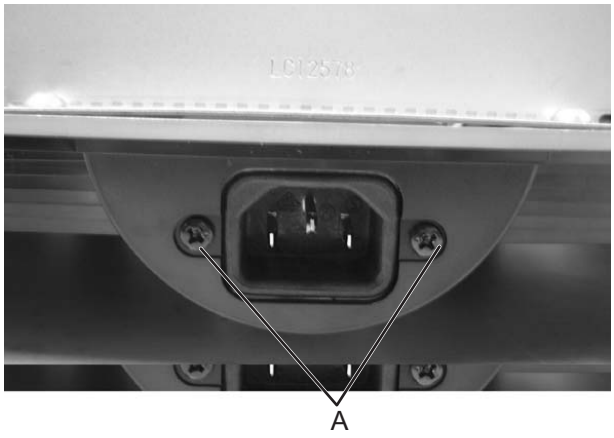




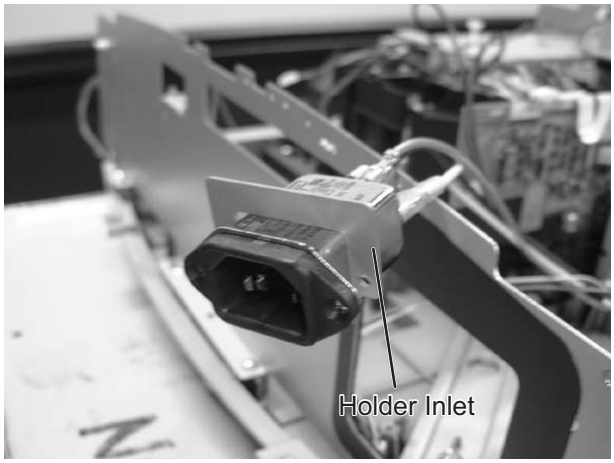


(5) Remove the screw **D** (QYSBSG3008ZA) to remove the Earth Plate PS (LC42357-001A). The Wire WR18a is fixed with the screw E (QYSPSPD4008NA).
(6) Remove the Front Inner Filter (Front) (LC32058-002A).

3.18 AC Inlet



- 3.2 Remove the Front Panel.
- 3.3 Remove the Rear Panel.
- 3.4,3.5 Remove the Top Cover (Right and Left).
- 3.6 Remove the Center Cover.
- 3.8 Remove the Main Board.
- 3.14 Remove the Ventilation Duct & Fan.
  (1) Remove the 2 screws A (QYSDSP3012MA) to remove the AC inlet (QNC0100-001). The Holder Inlet (LC42356-001A) comes off at the same time.



SECTION 4
ADJUSTMENT

4.1 BEFORE STARTING ADJUSTMENT

(1) Adjustment items utilize a personal computer.
This instruction is for HD10K PSA CONTROL PROGRAM Program. Use the latest version program.
(2) Data back up is required before adjustments.
(3) Allow the equipment and test instruments adequate time (at least 30 minutes) to warm-up.
(4) Confirm the set is properly connected to the specified AC power source.
(5) Use care not to disturb internal controls and parts not specifically mentioned.
(6) Unless specifically mentioned in the "ADJUSTMENT PROCEDURE" steps, do not change any data.

4.2 INSTRUMENTS AND TOOLS

- Oscilloscope
- Light meter [for example: Minolta T-10]
- Color-meter [CL-200]
- Remote control unit [RM-MH10KG]
- Personal computer

Operating system	Windows 98 ME 2000 XP
Memory	More than 16 Mbytes
Hard disk free space	More than 5 Mbytes
RS-232C interface	At least 1 port
Display resolution	Minimum : 800 × 600 pixels Recommended : 1024 × 768 pixels or better
Display colors	Minimum : 8 bits/pixel Recommended : 16 bits/pixel or better
Input devices	Keyboard and mouse

- Adjustment software : HD10K PSA CONTROL PROGRAM
- RS-232C 9pin NULL-MODEM (cross) cable
- Photoelectric conversion device (one of these)
  - ◆Light meter [Minolta T-10] A-out (Analog output)
  - ◆Photoelectric conversion device (for example: HAMAMATSU PHOTONICS S1226-8BK)
  - ◆Phototransistor or CdS photoconductor with amplifier
- Color filters
  - ◆G color filter (ex. MELLES GRIOT 03 FIV 044)
  - ◆R color filter (ex. MELLES GRIOT 03 FIB 014)
  - ◆B color filter (ex. MELLES GRIOT 03 FIV 028)
- Screen
- Darkroom (illumination less than 0.03 lx)

< Use these instruments and tools if necessary >

- NTSC / PAL signal generator : composite output, Y/C output
  - ▾Gray scale : 0IRE-100IRE
  - ▾Color bar : include 75% white peak
- NTSC signal generator : composite output [Y / CB / CR]
  - ▾Flat (raster) pattern : 10%
- HDTV signal generator : composite output [Y / PB / PR]
  Flat (raster) pattern : 10%
- PC signal generator
  - ◆Signal : VGA / SXGA
  - ▾Gray scale : 0.7V (p-p) [include 100% White / 0% Black]
  - ∗Show at least 2 images on 1 screen (Upper scale and Lower scale must be reversed)
  - ▾Cross-hatch
  - ▾Flat (raster) pattern : 100%, 93%, 13%, 0%
- Phase deviation measurement circuit

4.3 REQUIRED ADJUSTMENTS BY REPLACING COMPONENTS

The following adjustment procedure is required after replacing PWB ASS'Ys, LAMP BALLAST UNIT and OPTICAL BLOCK.
Items noted as "Check" means check the condition, then adjust if required.

4.3.1 Component required adjustment at replacing

Adjustment items	MAIN	DD SUB1.2	POWER	LAMP BALLAST	OPTICAL BLOCK
1. 16 - PHASE VERTICAL BARS	Check	Required			
2. D-ILA COMMON DC	Check	Required	Check	Check	Required
3. GAMMA (GRADATION / WHITE BALANCE)	Check	Required	Check	Check	Required
4. SHADING (UNIFORMITY)	Check	Check		Check	Required
5. GHOST		Check			Required
6. FRAME		Check			Required
7.PIXEL SHIFT					

4.3.2 List of required instruments and tools (except those related to the personal computer)

Adjustment items	Oscilloscope	Light meter	Color filter	Color meter	Phase deviation measurement circuit Phase deviation measurement Excel file
1. 16 - PHASE VERTICAL BARS	Required				Required
2. D-ILA COMMON DC		(Required)			
3. GAMMA (GRADATION / WHITE BALANCE)		Required	Required	Required	
4. SHADING (UNIFORMITY)		Required		Required	
5. GHOST					
6. FRAME					
7.PIXEL SHIFT					

4.3.3 Data backup

Before replacing major components such as PWB ASS'Ys, UNIT or BLOCK, be sure to backup the data contained in the set.
In absence of data backup, complete adjustment becomes necessary.

- **PREPARATION**
  (1) Remove all signal cables except for the interface cable to the PC from the main body.
- **DATA SAVE**
  (1) Enter Stand-by mode and open the PSA controller on the PC.
  (2) Click [System] in the main menu. When the pull down menu is displayed, click [Backup ROM Data] and open ROM Data Up Load/Down
  Load.
  (3) When [Down Load] is selected, data will be download.
  (4) When the download has completed, Save Data with File Name dialog box will be displayed. Then save the data with a file name.
- **DATA ENTRY**
  (1) Enter Stand-by mode and open the PSA controller on the PC.
  (2) Click [System] in the main menu. When the pull down menu is displayed, click [Backup ROM Data] and open ROM Data Up Load/Down Load.
  (3) When [Down Load] is selected, Open dialog box will be displayed. Then select a file which you want to upload.
  (4) The data will be download.

4.4 ADJUSTMENT PROCEDURE

4.4.1 16-PHASE VERTICAL BARS adjustment

Instruments	PSA Software for HD10K Phase deviation measurement circuit Phase deviation measurement Excel file	REPLACING COMPONENTS ● DD SUB1.2 PWB ASS'Y ● MAIN PWB ASS'Y
Test point		
Adjustment menu	< DDIC >	
Preparation	Completed GAMMA adjustment	

■ **PREPARATION**

(1) Connect the Phase Deviation Measurement circuit at CN005 with the Projector turned off.Connect the FPC to a desired color.
(2) Connect the PC and Projector with a RS232C cable. Turn the projector ON and boot the SPA software.
(3) Click [Connect] on the menu bar and select [Auto Connect] in the pull-down menu. Refer to Fig.1. (If [Connection failed] is shown, the connection is FAILED. If no message appears, the connection is completed and the result is PASSED)

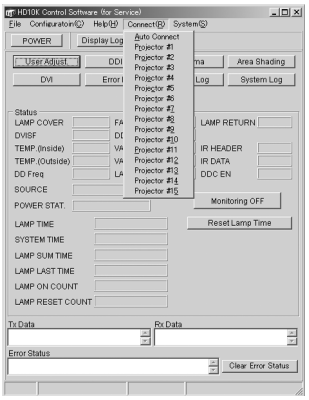
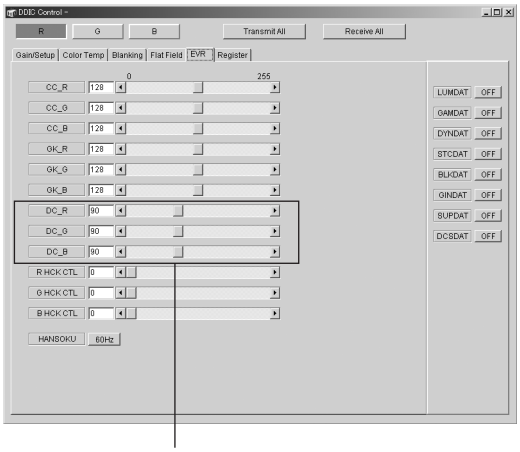


Fig.1

(4) When the connection is made, press [DDIC]. The DDIC Control screen will appear.
(5) Click [Receive All] at the top right of the screen.
(6) Press [R] at the top left of the screen.
(7) Of all buttons located at the furthest right of the screen, set all to [OFF].
(8) Repeat the procedure in step (7) for the [G] and [B] buttons.
(9) Click the [EVR] tag in the DDIC Control screen.
(10) Set the values for [DC_R], [DC_G], [DC_B] to 90.
Refer to Fig.2.



(10)Set these parameters to 90

Fig.2

(11) Press the [Load File] button in the [Register] tag in the DDIC Control screen.
(12) Select [PHS_RGBch_Inter-Phase Deviation_Clear.txt] and press [OK] in the [CONFIRM] message box.
(13) Press the [OK] button when the "Transmit all received data OK?" message appears.
(14) Set [R_MUTE], [G_MUTE], [B_MUTE] to ON in the [DDIC Control][Flat Field] tag.
(15) Copy the entire contents of the [HD10K_16 Phase Adjustment_XX . Xls] file and modify the xxx to a serial number.

■**MEASUREMENT**

(1) Open the Excel file, which is renamed in the measurement preparation step, and select the "PHS_Rch" sheet.
(2) Set [DDIC] and [Flat Field Level] to "0" for R, G and B, respectively.
(3) Set the toggle switch to "A Line" on the 16 Phase Jig.
(4) Connect the FPC Board from DD SUB 1 to J1 (50 pin) on the 16 Phase Jig.

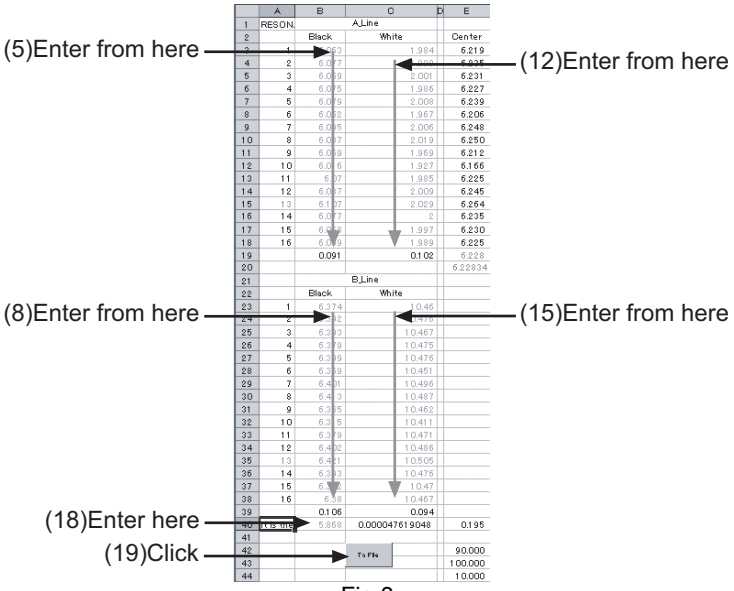


Fig.3

(5) Read the digital voltmeter indication when SW2 is set to "0" on the 16 Phase Jig. Enter that value without "-" sign to "B3" cell under the "Black1." (Refer to Fig.3)
(6) Set SW2 to "1" on the 16 Phase Jig. Read the value and enter it to "B4" cell. In the same manner, continue this operation up to the 16th phase and record each value.
(7) Set the toggle switch to "B Line" on the 16 Phase Jig.
(8) Read the digital voltmeter indication when SW2 is set to "0" on the 16 Phase Jig. Enter that value without "-" sign to "B23" cell under the "Black1." (Refer to Fig.3)
(9) Set SW2 to "1" on the 16 Phase Jig. Read the value and enter it to "B24" cell. In the same manner, continue this operation up to the 16th phase and record each value.
(10) Set R in [DDIC] and [Flat Field Level] to "1023."
(11) Set the toggle switch to "A Line" on the 16 Phase Jig.
(12) Read the digital voltmeter reading when SW2 is set to "0" on the 16 Phase Jig. Enter that value without "-" sign to "C3" cell under the "White1." (Refer to Fig.3)
(13) Set SW2 to "1" on the 16 Phase Jig. Read the value and enter it to "C4" cell. In the same manner, continue this operation up to the 16th phase and record each value.
(14) Set the toggle switch to "B Line" on the 16 Phase Jig.
(15) Read the digital voltmeter indication when SW2 is set to "0" on the 16 Phase Jig. Enter that value without "-" sign to "C23" cell under the "White1." (Refer to Fig.3)
(16) Set SW2 to "1" on the 16 Phase Jig. Read the value and enter it to "C24" cell. In the same manner, continue this operation up to the 16th phase and record each value.
(17) Set R in [DDIC] and [Flat Field Level] to "0."
(18) Set [DDIC] and [DCSDAT] to ON. Set SW2 to "0" and the toggle switch to "A Line" on the 16 Phase Jig. Read the digital voltmeter indication and enter that value without "-" sign to "B40" cell. (Refer to Fig.3)
(19) Press (File Creation) on "C42" cell. (Refer to Fig.3)
(20) Using the Excel Macro function, create "HD2K_PP_16 Phase Adjustment Software_PHS_Rch" and store it into an appropriate folder.
(21) Press "Load File" in [DDIC][Register]. Select "HD2K_PP_16 Phase Adjustment Software_PHS_Rch" created in (20) and press OK. Then press OK in the confirmation message box.
(22) Set [GINDAT], [SUPDAT] and [DCSDAT] to ON. If the voltage difference between the 1st Phase to 16th Phase are less than +/- 10 mV, the result is deemed to be OK.
(23) Turn the projector to OFF.
(24) (24)Carry out the above procedures for the G/B channel as well.

4.4.2 D-ILA COMMON DC adjustment

Instruments	PSA Software for HD10K Oscilloscope Photo sensor	REPLACING COMPONENTS ● DD SUB1.2 PWB ASS'Y ● OPTICAL BLOCK
Test point		
Adjustment menu	< DDIC >	
Preparation	Running the unit enough before adjustment	

Note :

Large deviation of this adjustment can cause image flicker.
Residual image or element burn can occur when out of adjustment.

■ **PREPARATION**

(1) Connect the PC and the Projector with an RS 232C cable and turn the projector ON.
(2) Click [Connect] in the Menu Bar and select [Auto Connect] in the pull down menu. Refer to Fig.1.

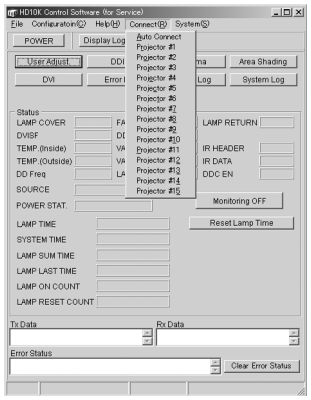


Fig.1

(3) Press the [DDIC] button in the SPA screen. The DDIC Control screen will be displayed accordingly.
(4) Press [Receive All] at the top right of the screen.
(5) Press [R] at the top left of the screen. Set the following buttons located in the furthest right of the screen as follows: Set [GINDAT],[SUPDAT],[DCSDAT] to ON, and the rest to OFF. Refer to Fig.2.

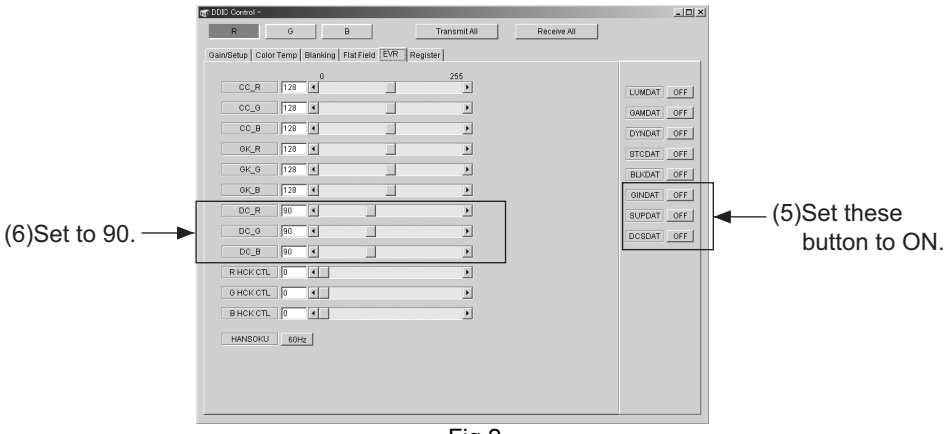


Fig.2

(6) In the [DDIC] [Control EVR tag] screen, set the value for DC_R, DC_G and DC_B to 90, respectively. Refer to Fig.2.
(7) Put the photo-sensor at 40 cm away from the surface of the Projector lens (Screen center) and connect the sensor to the oscilloscope.

■**ADJUSTMENT**

(8) On the [DDIC Control][Flat Field] tag, set the Flat Field Level value for a color to be adjusted to 512 and the rest to 0, respectively. Refer to Fig.3. Set the [R_MUTE], [G_MUTE] and [B_MUTE] buttons in the [Flat Field] tag to [ON].

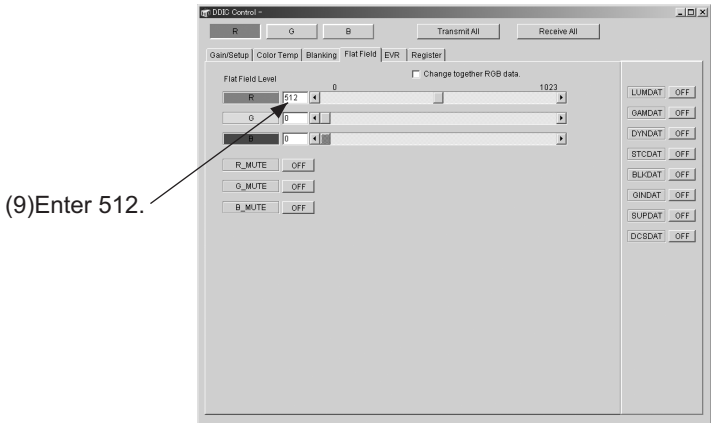


Fig.3

(9) In the [DDIC Control][EVR] tag, find the point by sliding a CC slider (CC_R for red, CC_G for green and CC_B for blue) where the photo-sensor waveform becomes minimum .
Refer to Fig.4.

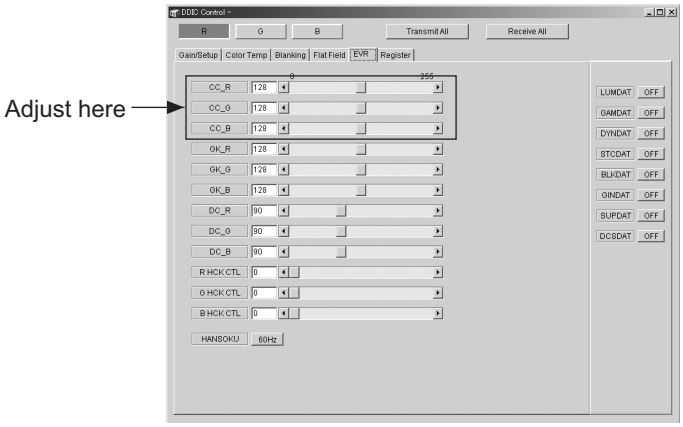


Fig.4

(10) Perform the above procedures (9) and (10) for all colors, R, G, and B.

4.4.3 GAMMA adjustment

Instruments	PSA Software for HD10K Color-meter (CL-200)	REPLACING COMPONENTS ● DD SUB1.2 PWB ASS'Y ● OPTICAL BLOCK
Test point		
Adjustment menu	< DDIC > < Gamma >	
Preparation	Completed D-ILA COMMON DC adjustment	

■ **PREPARATION**

(1) Set the lens to full-angle mode.
(2) Set the light-meter in the screen center at approximately 30 cm away from the lens end.
(3) Confirm that the 16 phase vertical stripe adjustment and common DC adjustments are properly performed.
(4) Confirm that the Gamma data are defaulted for R, G and B, respectively.
(5) Set [DDIC] and [LUMDAT] to off for R, G and B.
(6) Set [DDIC] and [Flat Field] to [MUTE] ON for R, G and B, respectively.
(7) Operate the unit for more than 15 minutes.
(8) Put the top cover on and carry out the following adjustments.

■ **G [0 IRE] AND [100 IRE] ADJUSTMENTS**

(1) Attach the "G" Color Filter on the front aperture of the light-meter.
(2) Set [EVR] and [DC] to "90" for R, G and B.
(3) Set [Flat Field Level] to "0" for R, G and B, and record their illumination intensities.
(4) Set [Flat Field Level] to "1023" for G.
(5) Adjust [EVR] and [DC-G] to find the maximum intensity (saturated) and record it.
(6) Set [Flat Field Level] to "0" for G. Adjust [EVR] and [DC-G] to obtain the illumination intensity to be equal to the target value [0 IRE] [1.02 times the recorded value of (3)].
(7) Set [Gamma] and [CONTROL POINT] to "32points."
(8) Set [Flat Field Level] to "1023" for G. Adjust [Point No] "32" to set the illumination intensity to the target value [100 IRE] [0.98 times the recorded value of (5)].
(9) In the same manner, adjust [01RE] and [100 IRE] for R and B.
(10) Remove the color filter.
(11) Set [Flat Field Level] to "1023" for R, G and B. Lower [Point No] "32" for R/G/B to set the chromaticity to [X = 0.3127 +/- 0.001, Y = 0.329 +/- 0.001] without significant G reduction being introduced.

■ **INTERIM G GAMMA ADJUSTMENT**

(1) Set the [GAMMA][CONTROL POINT] to "32Points."
(2) Set [Change Gamma Data] to "Normal."
(3) Attach the color filter for G on the front aperture of the color-meter.
(4) Set [Flat Field Level] to "1023" for R, G and B and measure [100 IRE] for G.
(5) Calculate the illumination intensity for the adjusting points 31 to 1, using the Gamma Calculation table.
(6) Set up [Flat Field Level] for each adjusting point. Adjust [Gamma][CONTROL POINT] to set the illumination intensity to the target value. However, if the adjustments of [CONTROL POINT] 1 and 2 results in an irregular curve or, are unable to obtain the target value, adjust the curve appropriately to obtain a visually smoothed one.

■ **INTERIM R, B GAMMA ADJUSTMENT**

(1) Set [Flat Field Level] for R, G and B to the values shown in the adjustment point 31 in the Gamma Calculation Table. Adjust the chromaticity to obtain [X = 0.3127 +/- 0.001, Y = 0.329 +/- 0.001] with [Gamma][CONTROL POINT] 31 for R and B.

(2) In the same manner, adjust the adjusting points 30 to 1 in the Gamma Calculation Table. Repeat the adjustments until each adjusting point fulfils the requirements at the same time. However, if the adjustments of [CONTROL POINT] 1 and 2 results in an irregular curve or, are unable to obtain the target value, adjust the curve appropriately to obtain a visually smoothed one.

Target illumination intensity to be adjusted = (100 IRE illumination intensity - 0 IRE illumination intensity) X Control target coefficient + 0 IRE illumination intensity.

GAMMA CALCULATING TABLE

Control Point	Flat Field	Control target coefficient	Signal level [%]
32	1023	1	100.00
31	992	0.93253636	96.88
30	960	0.867634491	93.75
29	928	0.805277645	90.63
28	896	0.745448623	87.50
27	864	0.688129742	84.38
26	832	0.633302807	81.25
25	800	0.580949078	78.13
24	768	0.531049225	75.00
23	736	0.483583291	71.88
22	704	0.438530643	68.75
21	672	0.395869913	65.63
20	640	0.355578946	62.50
19	608	0.317634721	59.38
18	576	0.282013279	56.25
17	544	0.248689629	53.13
16	512	0.217637641	50.00
15	480	0.188829924	46.88
14	448	0.16223768	43.75
13	416	0.137830529	40.63
12	384	0.115576301	37.50
11	352	0.095440775	34.38
10	320	0.077387363	31.25
9	288	0.061376705	28.13
8	256	0.047366143	25.00
7	224	0.035309026	21.88
6	192	0.025153753	18.75
5	160	0.016842403	15.63
4	128	0.010308656	12.50
3	96	0.005474404	9.38
2	64	0.002243551	6.25
1	32	0.000488281	3.13
0	0	0	0.00

4.4.4 SHADING adjustment

Instruments	Light-meter	REPLACING COMPONENTS ● DD SUB1.2 PWB ASS'Y ● OPTICAL BLOCK
Test point		
Adjustment menu	< DDIC > < Area Shading >	
Preparation	Completed GAMMA adjustment	

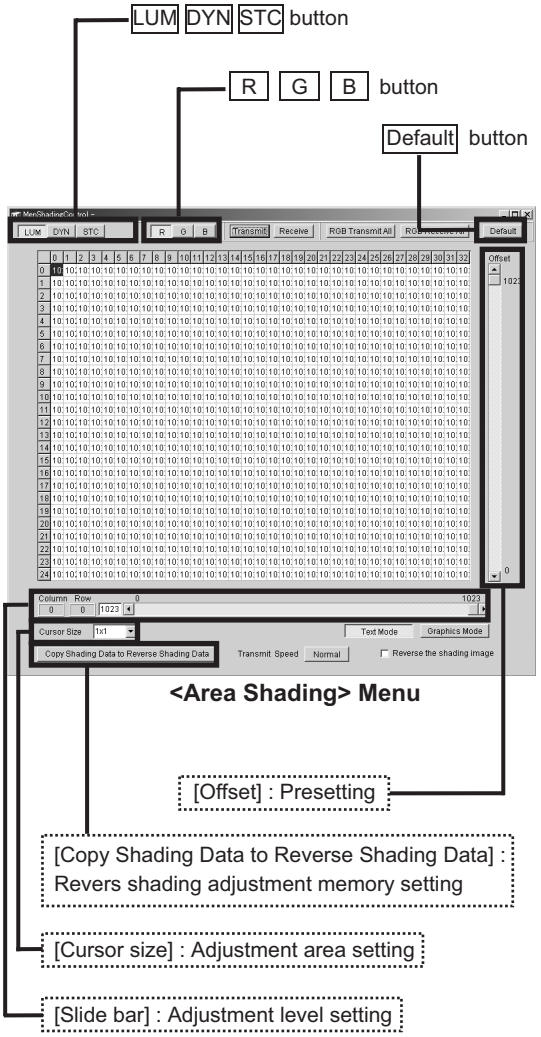
■ **PREPARATION**

(1) When the reverse shading function is used, open Menu [UserAdjust] [Setup], and set [Flip H] and [Flip V] to [Off].
(2) Open Menu [Area Shading] and, after clicking [LUM]. Set each [R], [G] and [B] to [Default] respectively, then click [Transmit].
(3) Click [DYN] or [STC] and set [R], [G] and [B] to [Default] respectively in the same way, then click [Transmit].

■ **SHADING ADJUSTMENT**

(1) Open Menu [DDIC] [Flat Field], and set [R Mute], [G Mute] and [B Mute] to [On].
(2) Set [R], [G] and [B] Flat Field level to 204, respectively.
(3) Open Menu [Area Shading] and click [STC]. Then adjust the screen with the slide bar for adjustment level setting so that the screen is evenly colored.
(4) Open Menu [DDIC] [Flat Field] and set [R], [G] and [B] Flat Field level to 614, respectively.
(5) Open Menu [Area Shading] and click [DYN]. Then adjust the screen with the slide bar for adjustment level setting so that the screen is evenly colored.
(6) Open Menu [DDIC], and set [DYNDAT] [STCDAT] to [Off].
(7) Open Menu [Flat Field] and set [R] Flat Field level to 204, [G] and [B] Flat Field level to 0, respectively. Record the brightness of the screen at this time
(8) Set [R] Flat Field to 614 and record the brightness of the screen at this time.
(9) Return [DYNDAT] and [STCDAT] to [On].
(10) Open Menu [EVR] and adjust [DC R] so that the brightness of the screen become the same value as those of the recorded value.
(11) Open Menu [DDIC] [Gain/Setup] and click [Gain] and [ALL]. Adjust [DDIC] [GAIN] so that the brightness of the screen at the [R] Flat Field level of 614 become the same value recorded in 8) above.
(12) In the same manner as for the above steps, also adjust [G] and [B] Flat Field level.
(13) Adjust [LUM], if necessary. Keep the Flat Field level at 1023 at the center of the screen as much as you can.
(14) After adjustment, transfer the data to the reverse shading adjustment memory by clicking [Copy Shading Data to Reverse Shading Data] on the bottom of the Area Shading screen. At this time, open [Shading] on [Configuration] tool bar and set the values according to the table on the right side so as to compensate the vertical reverse shading gradient.

∗If necessary, adjust Up Side Down position. When adjusting the Up Side Down position, hang the unit from the ceiling. Open Menu [DDIC] [FPGA] and set [Left Side Right] and [Up Side Down] to [On]. For the adjustment, follow the same manner as for the steps (1)~(14) above.


LUM DYN STC button
R G B button
Default button
<Area Shading> Menu
[Offset] : Presetting
[Copy Shading Data to Reverse Shading Data] : Revers shading adjustment memory setting
[Cursor size] : Adjustment area setting
[Slide bar] : Adjustment level setting

	STC Shading	DYN Shading
Red	13	0.1
Green	30	0.1
Blue	27	0.1

< Compensate the vertical reverse shading gradient >

4.4.5 GHOST adjustment

Instruments	PSA Software for HD10K	REPLACING COMPONENTS ● OPTICAL BLOCK
Test point		
Adjustment menu	< DDIC >	
Preparation	Completed GAMMA adjustment , SHADING adjustment ,	

■PREPARATION

(1) Connect the PC and Projector with a RS-232C cable and turn the Projector ON.
(2) Boot the PSA software.
(3) Click [Connect] on the menu bar and select [Auto Connect] in the pull-down menu.
Refer to Fig.1.

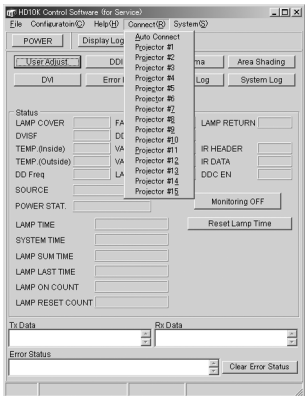


Fig.1

(4) When the connection is completed, press [DDIC]. The [DDIC Control] screen will appear.
(5) Press the [Receive All] button located at the top right of the screen.

■MEASUREMENT

(6) Press the [TEST] button on the remote control unit to display the grey scale of [R] (Color to be adjusted).
(7) Using the [DDIC Control][EVR] tab, adjust [R_DELAY_CTL] (Refer to Fig.2) to allow the reflection to be minimum.
(8) Perform the procedures in steps (6) and (7) for [G] and [B].
(9) Perform the procedures in items (6) and (7).

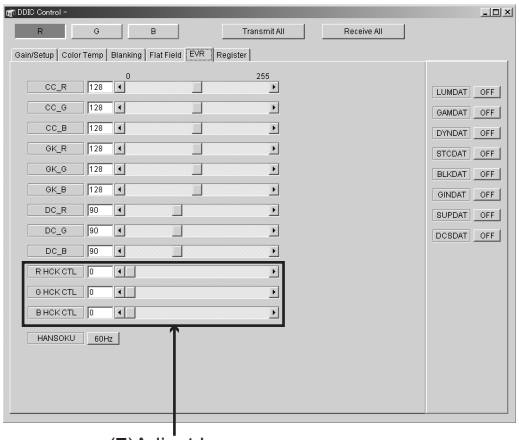


Fig.2

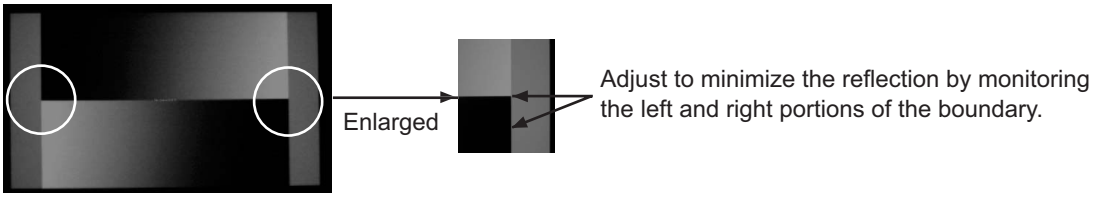


Fig.3

4.4.6 FRAME adjustment

Instruments	Signal generator	REPLACING COMPONENTS ● OPTICAL BLOCK
Test point		
Adjustment menu	< DDIC >	
Preparation	Completed GAMMA adjustment , SHADING adjustment ,	

■PREPARATION

(1) Connect the PC and Projector with an RS-232C cable. Turn the Projector ON and boot the PSA software.

(2) Click [Connect] on the Menu Bar and select [Auto Connect] in the pull-down menu.
Refer to Fig.1. (If [Connection failed] is shown, the connection is FAILED. If no message appears, the connection is successfully done.

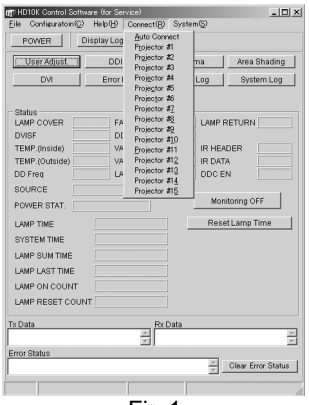


Fig.1

(3) When the system is connected, press the [DDIC] button. This causes the [DDIC Control] screen to be displayed. Subsequent works are to be performed on this screen.

(4) Press the [Receive All] button at the top right of the screen.

(5) Set [R_MUTE], [G_MUTE} and [B_MUTE] to ON with the [Flat Field] tab.

(6) Set Flat Field Level of R, G, and B to all [0]. (All black)

■ADJUSTMENT

(1) Move the slider of [GK_R], [GK_G] and [GK_B] with the [EVR] tab to allow the picture frame to be darkened most. Refer to Fig.2.

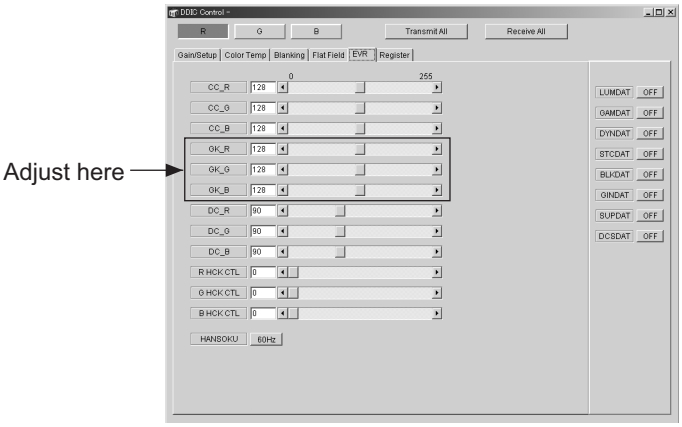


Fig.2

4.4.7 PIXEL SHIFT adjustment

Instruments	Signal generator	REPLACING COMPONENTS ● OPTICAL BLOCK
Test point		
Adjustment menu	< DDIC >	

■PREPARATION

(1) Connect the PC and the projector with RS-232C cable. Turn the projector ON and boot up the SPA software.
(2) Click [Connect] on the menu bar to select "Auto Connect" in the pull down menu. (Refer to Fig.1)

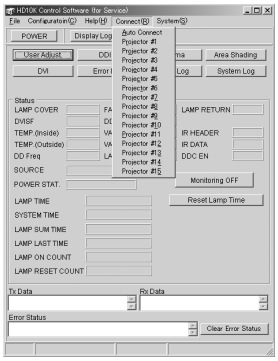


Fig.1

■ ADJUSTMENT

(1) When the connection is completed, select "User Adjust" Image adj."
(2) Adjust [H Pixle Adj.R][H Pixle Adj.G][H Pixle Adj.B] to make H direction (Pixel shift) to become the best point.
(3) Adjust [V Pixle Adj.R][V Pixle Adj.G][V Pixle Adj.B] to make V direction (Pixel shift) to become the best point.

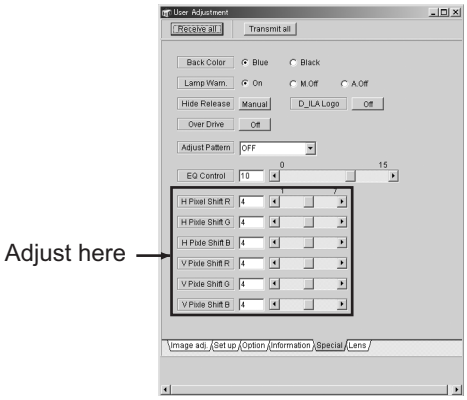


Fig.2

SECTION 5
TROUBLESHOOTING

5.1 PROTECTIVE SENSOR AND PROTECTIVE SWITCH

In event of abnormal operation due to circuit or component failure, setting error or other reason, in order to prevent serious damage to the set and preserve the integrity of peripheral equipment, sensors and switches are provided for protective functions. Cooling is conducted at the same time a corresponding LED flashes (about 90 seconds). The LED indication with respect to the protective function is described below.

5.1.1 Protective sensor

Type	Monitor objective	Location	Operating point	Function
Thermal sensor (Thermostat)	Lamp unit	Optical block (Lamp section)	140°C	AC line (one side) open
Thermal sensor (IC)	Set interior (Lamp area)	MAIN PWB ASS'Y IC7007	70°C	Power off by main CPU (emergency mode)
Thermal sensor (IC)	Set exterior (Filter area)	MAIN PWB ASS'Y IC7008	65°C	Power off by main CPU (emergency mode)
Motor operation detection circuit	Cooling fan	Cooling fan interior	Fan stop	Power off by main CPU (emergency mode)

5.1.2 Protective switch

Type	Monitor objective	Location	Operating point	Function
Interlock switch	Lamp cover	Optical block (Lamp section)	Switch open	Control by CPU

5.2 LED (INDICATOR) WARNING INDICATIONS

5.2.1 Led indication contents

If an abnormality occurs during operation (projection), the content of the problem can be determined from flashing LED indicators. When an LED indicates, operation (projection) automatically stops and the cool-down mode (about 90 seconds) is entered then the stand-by mode.

No.	Flashing LED				Flash time	Warning cause (projector mode)
	LAMP	TEMP	FAN	HIDE		
1	◆	●			-	Lamp usage time has exceeded 1900 hours.
2	◆		●		0.5sec.	Lamp usage time has exceeded 2000 hours.
3	◆	●	●		0.5sec.	Lamp usage time has exceeded 2010 hours.
4	◆	●			0.5sec.	No projection caused by the lamp failure.
5	◆		●	●	0.25sec.	Lamp extinction during the projection.
6	◆			●	0.5sec.	The lamp cover is removed.
7	◆		●	●	0.5sec.	Sub Microcomputer malfunctions.
8		●		●	0.5sec.	Device Drive circuit malfunctions.
9		◆		●	0.5sec.	Internal temperature becomes extraordinarily higher.
10		◆	●	●	0.5sec.	Exhaust temperature at the vent is extraordinarily high or forced high due to high ambient temperature.
11				●	-	Ventilation fan in the unit is stopped. [Fan Lock]

◆ : Turned on during operation

● : Alternate Lighting/Extinction during operation [Flickering interval]: Time for Lighting/Extinction (Interval of Alternate Lighting/Extinction) is decided by each LED's lighting time.

5.2.2 Mearsures during abnormality

In event of the following be sure to disconnect the power cord from the AC outlet, and reset the projector mode.

No.	Abnormality	Mode	Measure	Mode	Cause
1	Lamp dose not light	→	Again supply power (press OPERATE button)	OK	Lamp lighting failure
		NG	Check lamp use dose not exceed 2000 hours	YES	Lamp use inhibited
		NG	Replace lamp unit	OK	Lamp defective
		NG	Replace LAMP BALLAST unit	OK	Igniter circuit faulty
2	Lamp extinguishes during projection	→	Revise installation mode (protect from shock, vibration, etc)	OK	Installation mode (environment) unfavorable
		NG	Replace lamp unit	OK	Lamp defective
	Lamp use time exceeded	→	Replace lamp and reset the lamp use time	OK	Lamp use inhibited
3	Sub CPU operation faulty	→	Again supply power (press MAIN POWER button)	OK	Circuit operating error
		NG	Replace MAIN PWB ASS'Y	OK	Sub CPU failure
4	DD circuit operating faulty	→	Again supply power (press OPERATE button)	OK	Circuit operating error
		NG	Replace MAIN PWB ASS'Y	OK	Device drive circuit failure
6	Internal temperature abnormally high	→	Avoid obstructing ventilation openings (intake and exhaust)	OK	Circuit error or other fault
		NG	Replace MAIN PWB ASS'Y	OK	Defective sensor and detection circuit
7	Out side temperature abnormally high	→	Ambient temperature of the unit should be mode into specification within the limits	OK	Circuit error or other fault
		NG	Replace MAIN PWB ASS'Y	OK	Defective sensor and detection circuit
8	Cooling fan stopped	→	Reinstall 7010 connector	OK	Connector installation defective
		NG	Reinstall 7011 connector	OK	Connector installation defective
		NG	Reinstall 7012 connector	OK	Connector installation defective
		NG	Reinstall 7014 connector	OK	Connector installation defective
		NG	Reinstall 7015 connector	OK	Connector installation defective
		NG	Reinstall 7016 connector	OK	Connector installation defective
		NG	Reinstall 7017connector	OK	Connector installation defective
		NG	Replace cooling fan	OK	Cooling fan defective
9	Confirmation of DVI activation	→	Temporarily disconnect power from projector and PC. After making sure that DVI cable has been properly connected, turn on power of projector and PC, in turn.	OK	Improper connection of DVI cable Wrong order of power on (Correct order : 1. Projector 2. PC)
		NG	Confirm that output of DVI terminal at graphic board of PC has been set properly.	OK	Improper setting of PC (DIV output)

5.3 ERROR LOG (SELF-DIAGONOSIS RECORD AND INDICATION)

5.3.1 Outline

By using the special setting and adjustment software, data related to abnormal operation (history) stored in the projector can be load. On the basis of contents "LED (INDICATOR) WARNING INDICATONS" set and lamp use time, internal and external temperature, and other data prior to the previous usage time can be viewed as a table.

● **HOW TO LOAD THE DATA FROM UNIT**

(1) Install the software in a personal computer and connect by RS-232C IN terminal (use cross cable).
(2) Set the projector to stand-by mode.
(3) Start the setting and adjustment software. The main menu shown in Fig.1 appears.
(4) Click the [Error Log] button to show the screen indicated in Fig.2.
(5) Click the [Receive Log Data] button to display the history.

● **ERROR LOG SCREEN ITEMS**

Item	Displayed contents
Error Detection	Error event code (10 types)
Wakeup Count	Number of times operation mode reached
System Time	Total time in operation mode until present
Lamp Time	Total lamp lighted time until present
Slave Deg (Out)	External temperature detected by sensor during error event
Sub Deg (In)	Internal temperature detected by sensor during error event

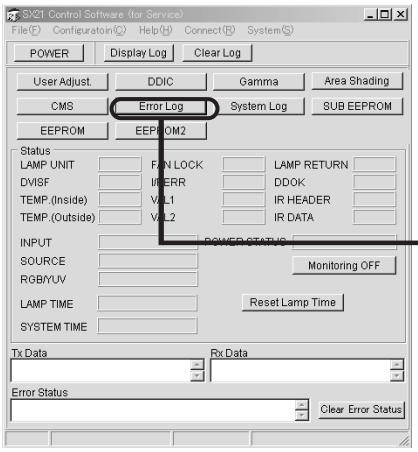


Fig.1 Start screen (main menu)

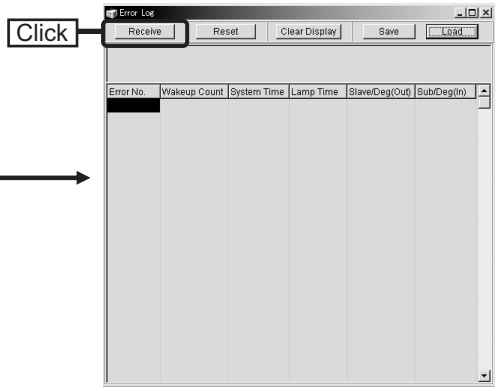


Fig.2 <Error log> screen

5.3.2 Error code

Error cord	Detected condition	Indicated LED
E01	Lamp can not light during shift from stand-by to operation mode	LAMP (Lighted) + TEMP (Blinking) + HIDE (Blinking)
E02	Lamp use time exceeds 2000h	LAMP (Lighted) + FAN (Blinking)
E06	Lamp extinguishes during projection	LAMP (Lighted) + FAN (Blinking) + HIDE (Blinking)
E07	Cooling fan stops (fan lock)	FAN (Lighted) + HIDE (Blinking)
E08	Set internal temperature (lamp area) abnormally high (Exceeds 70°C) TEMP	TEMP (Lighted) + HIDE (Blinking)
E09	Set internal temperature (ventilation intake openings) abnormally high (Exceeds 65°C)	TEMP (Lighted) + FAN (Blinking) + HIDE (Blinking)
E11	Error in Sub CPU circuit operation	FAN (Blinking) + HIDE (Blinking)
E12	Error in device drive circuit operation	TEMP (Blinking) + HIDE (Blinking)
E15	Come off lamp cover	HIDE (Blinking) + LAMP (Lighted)

5.3.3 Function

Button (item)	Function	Data process
Receive	Receive data stored in projector and display < Error log > screen	Projector to PC
Reset	Delete all data stored in projector (reset)	Projector internal
Clear Display	Delete record (history) shown on < Error log > screen (delete computer side)	PC internal
Save	Save record (history) shown on < Error log > screen to file	PC internal
Load	Read record (history) stored in PC and display in < Error log > screen	PC internal

JVC
VICTOR COMPANY OF JAPAN, LIMITED
ILA CENTER 12, 3-chome, Moriya-cho, kanagawa-ku, Yokohama, kanagawa-prefecture, 221-8528, Japan

(No.PA021)

Printed in Japan
VPT

DLA-HD10KU, DLA-HD10KSU, DLA-HD10KE, DLA-HD10KSE
STANDARD CIRCUIT DIAGRAM

■ NOTE ON USING CIRCUIT DIAGRAMS

1.SAFETY

The components identified by the ⚠ symbol and shading are critical for safety. For continued safety replace safety ciritical components only with manufactures recommended parts.

2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

(1)Input signal	: Colour bar signal
(2)Setting positions of each knob/button and variable resistor	: Original setting position when shipped
(3)Internal resistance of tester	: DC 20kΩ/V
(4)Oscilloscope sweeping time	: H ⇒ 20μs / div
	: V ⇒ 5ms / div
	: Othters ⇒ Sweeping time is specified
(5)Voltage values	: All DC voltage values

∗ Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3.INDICATION OF PARTS SYMBOL [EXAMPLE]

● In the PW board : R1209 → R209

4.INDICATIONS ON THE CIRCUIT DIAGRAM

(1)Resistors

● Resistance value

No unit	: [Ω]
K	: [kΩ]
M	: [MΩ]

● Rated allowable power

No indication	: 1/16 [W]
Others	: As specified

● Type

No indication	: Carbon resistor
OMR	: Oxide metal film resistor
MFR	: Metal film resistor
MPR	: Metal plate resistor
UNFR	: Uninflammable resistor
FR	: Fusible resistor

∗ Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2)Capacitors

● Capacitance value

1 or higher	: [pF]
less than 1	: [μF]

● Withstand voltage

No indication	: DC50[V]
Others	: DC withstand voltage [V]
AC indicated	: AC withstand voltage [V]

∗ Electrolytic Capacitors

47/50[Example]: Capacitance value [μF]/withstand voltage[V]

● Type

No indication	: Ceramic capacitor
MM	: Metalized mylar capacitor
PP	: Polypropylene capacitor
MPP	: Metalized polypropylene capacitor
MF	: Metalized film capacitor
TF	: Thin film capacitor
BP	: Bipolar electrolytic capacitor
TAN	: Tantalum capacitor

(3)Coils

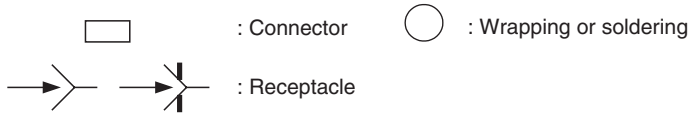
No unit	: [μH]
Others	: As specified

(4)Power Supply

∗ Respective voltage values are indicated

(5)Test point

(6)Connecting method



(7)Ground symbol

⊥ : LIVE side ground

⏚ : ISOLATED(NEUTRAL) side ground

⏚ : EARTH ground

▽ : DIGITAL ground

5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND and the ISOLATED(NEUTRAL) : (⏚) side GND. Therefore, care must be taken for the following points.

(1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. if the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.

(2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected, a fuse or any parts will be broken.

◆ **Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.**

NOTE

◆ **Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list.**
When ordering parts, please use the numbers that appear in the Parts List.

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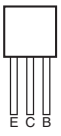
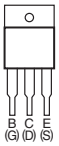
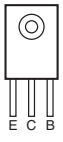
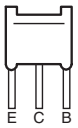
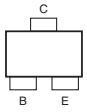
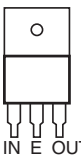
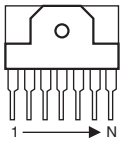
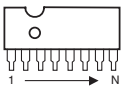
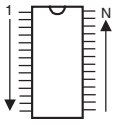
SEMICONDUCTOR SHAPES

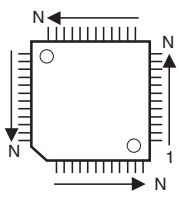
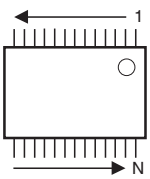
TRANSISTOR

BOTTOM VIEW	FRONT VIEW				TOP VIEW
					CHIP TR 

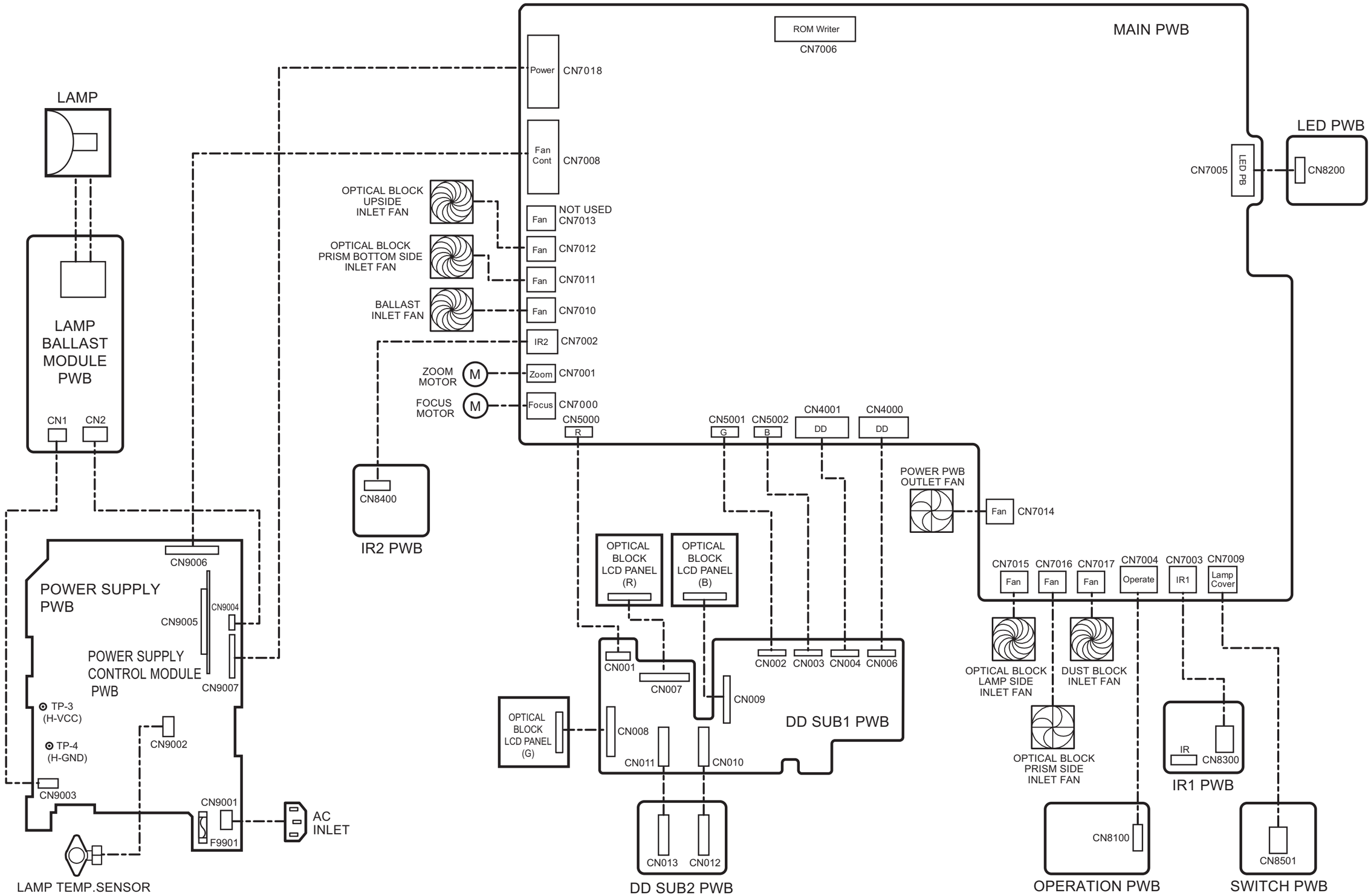
IC

BOTTOM VIEW	FRONT VIEW			TOP VIEW
				

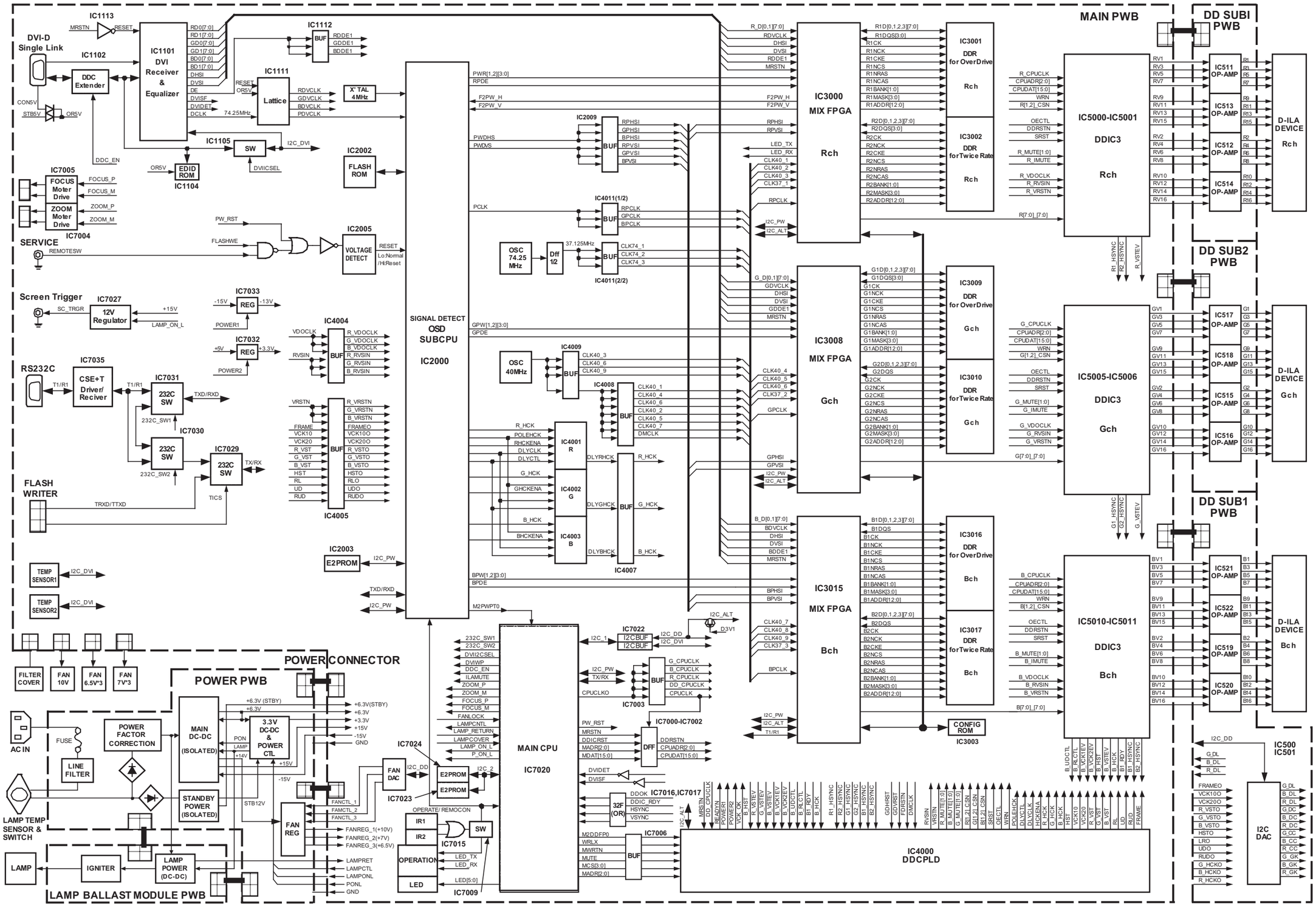
CHIP IC

TOP VIEW		
		

WIRING DIAGRAM

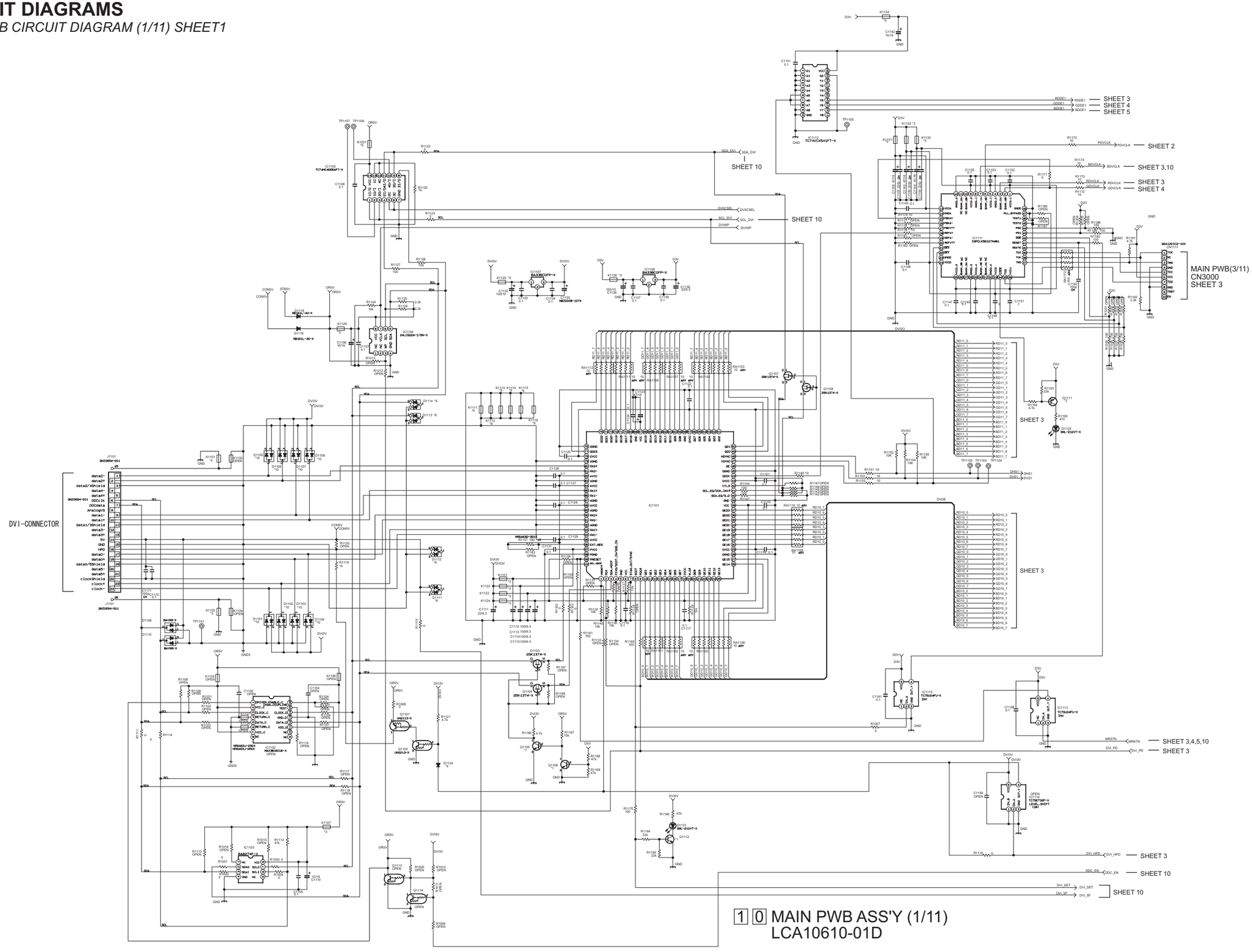


BLOCK DIAGRAM



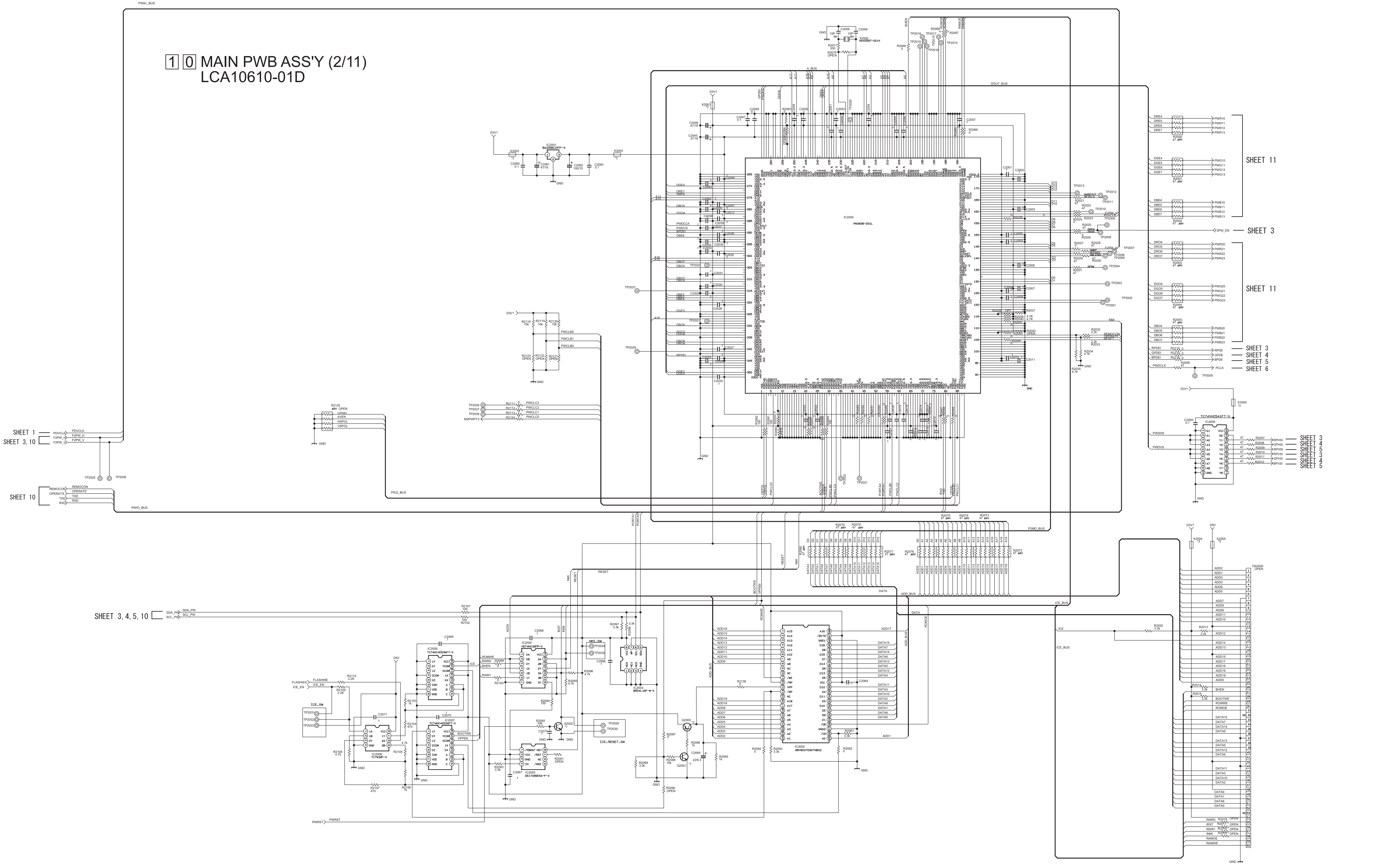
CIRCUIT DIAGRAMS

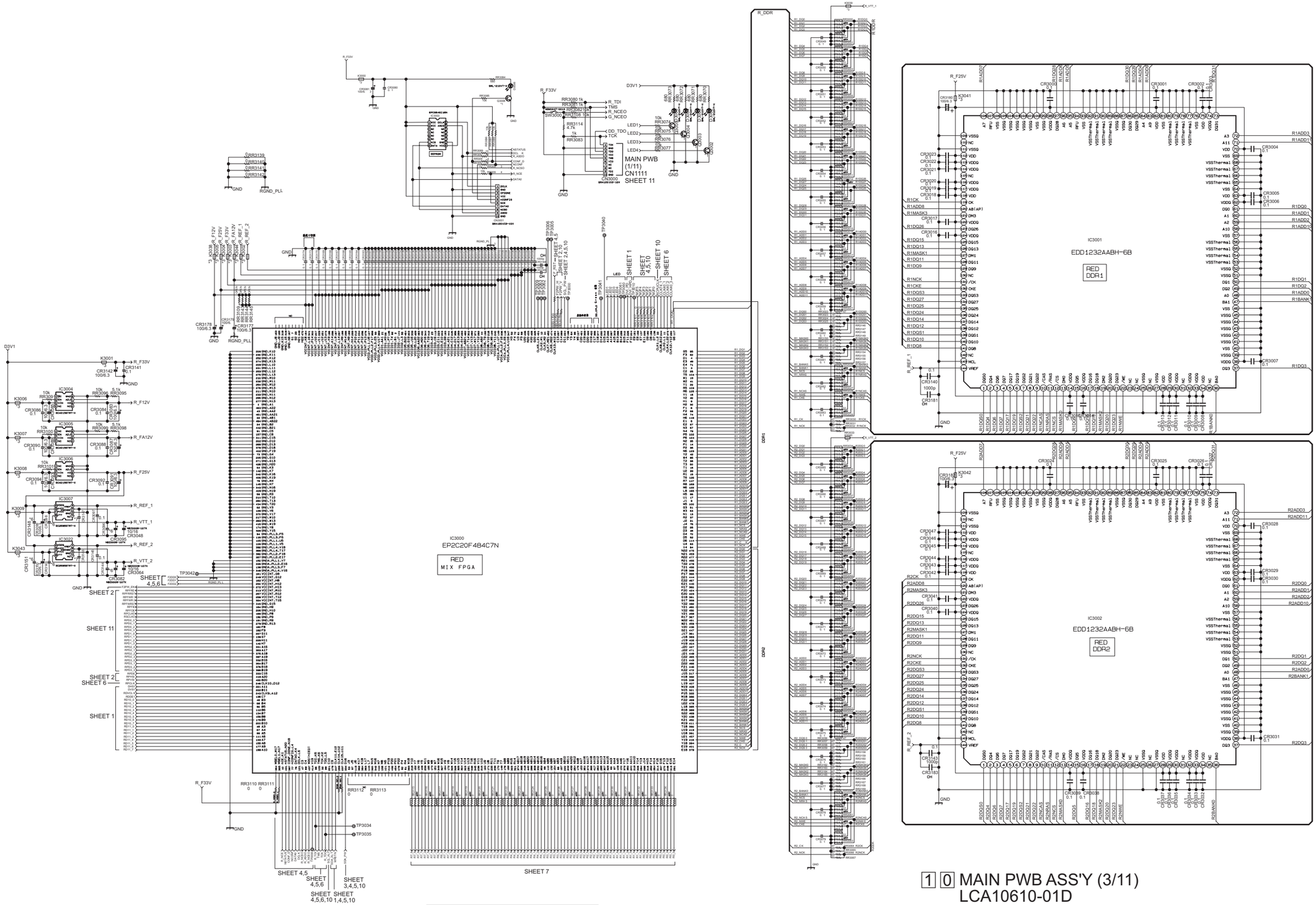
MAIN PWB CIRCUIT DIAGRAM (1/11) SHEET1



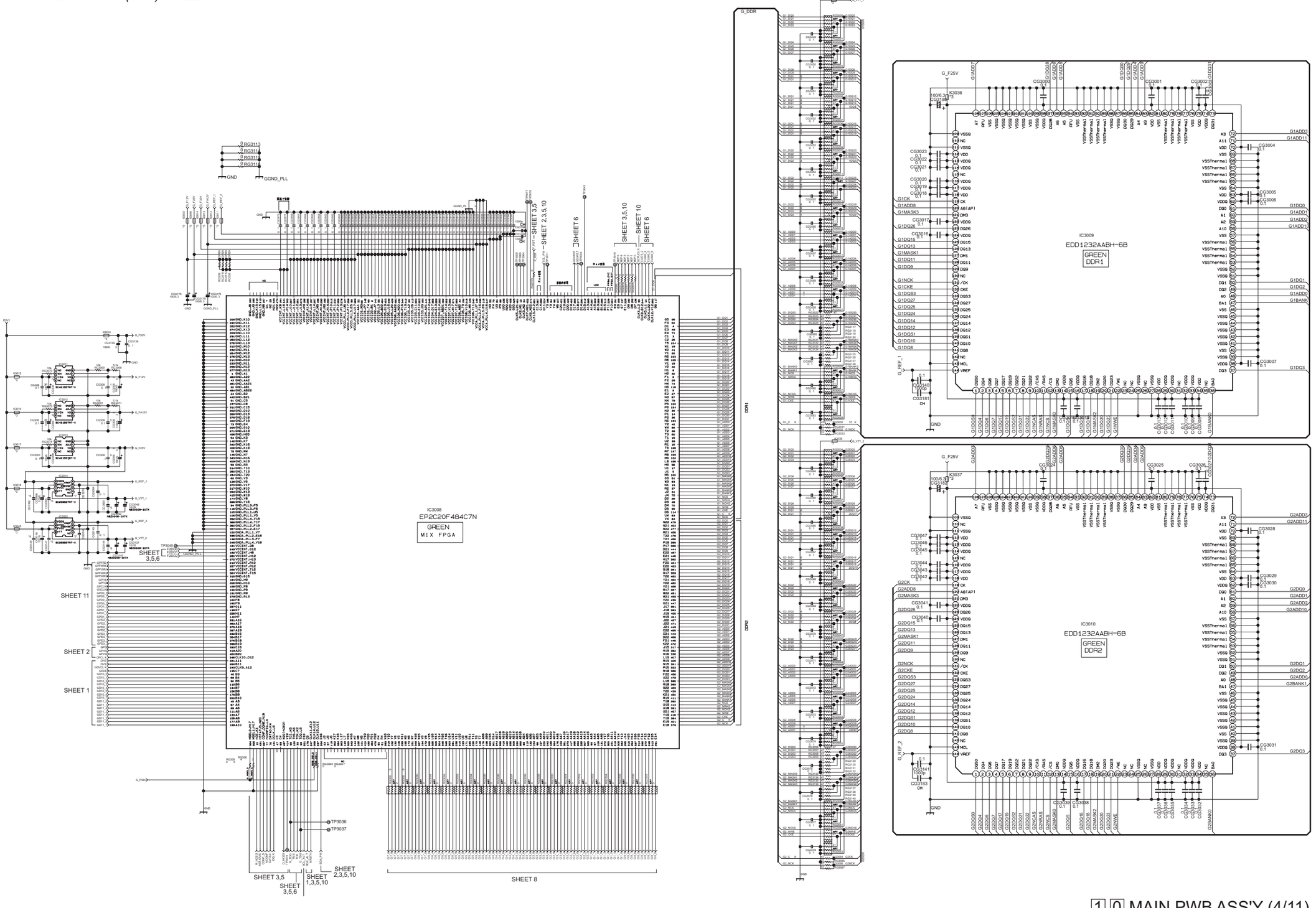
10 MAIN PWB ASS'Y (1/11)
LCA10610-01D

MAIN PWB CIRCUIT DIAGRAM (2/11) SHEET 2


1 0 MAIN PWB ASS'Y (2/11)
LCA10610-01D
SHEET 1
SHEET 3, 10
SHEET 10
SHEET 3, 4, 5, 10
SHEET 11
SHEET 3
SHEET 4
SHEET 5
SHEET 6
IC2000
PW365B-20UL
IC2001
BA25BC0FP-X
IC2002
MBV800TE90TNB02
IC2003
BR24L16F-W-X
IC2004
HD74HC32FP-X
IC2005
DS1708SESA-F-X
IC2006
TC74HC4053AFT-X
IC2007
TC74HC4053AFT-X
IC2008
TC7W32F-X
IC2009
TC74VHC541FT-X
CN2000
OPEN
ICE_SW
NMI_SW
ICE_RESET_SW

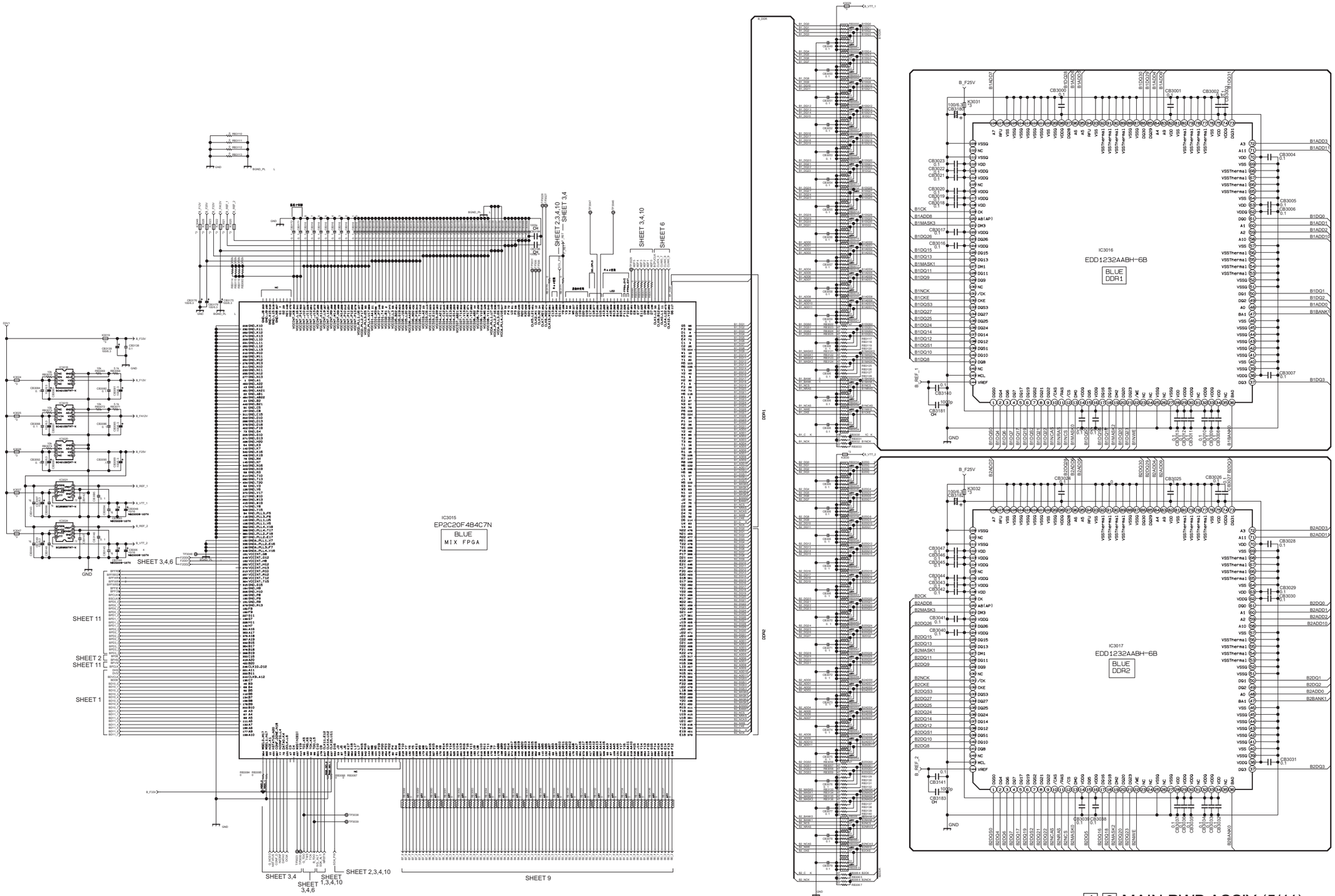


1 0 MAIN PWB ASS'Y (3/11)
LCA10610-01D



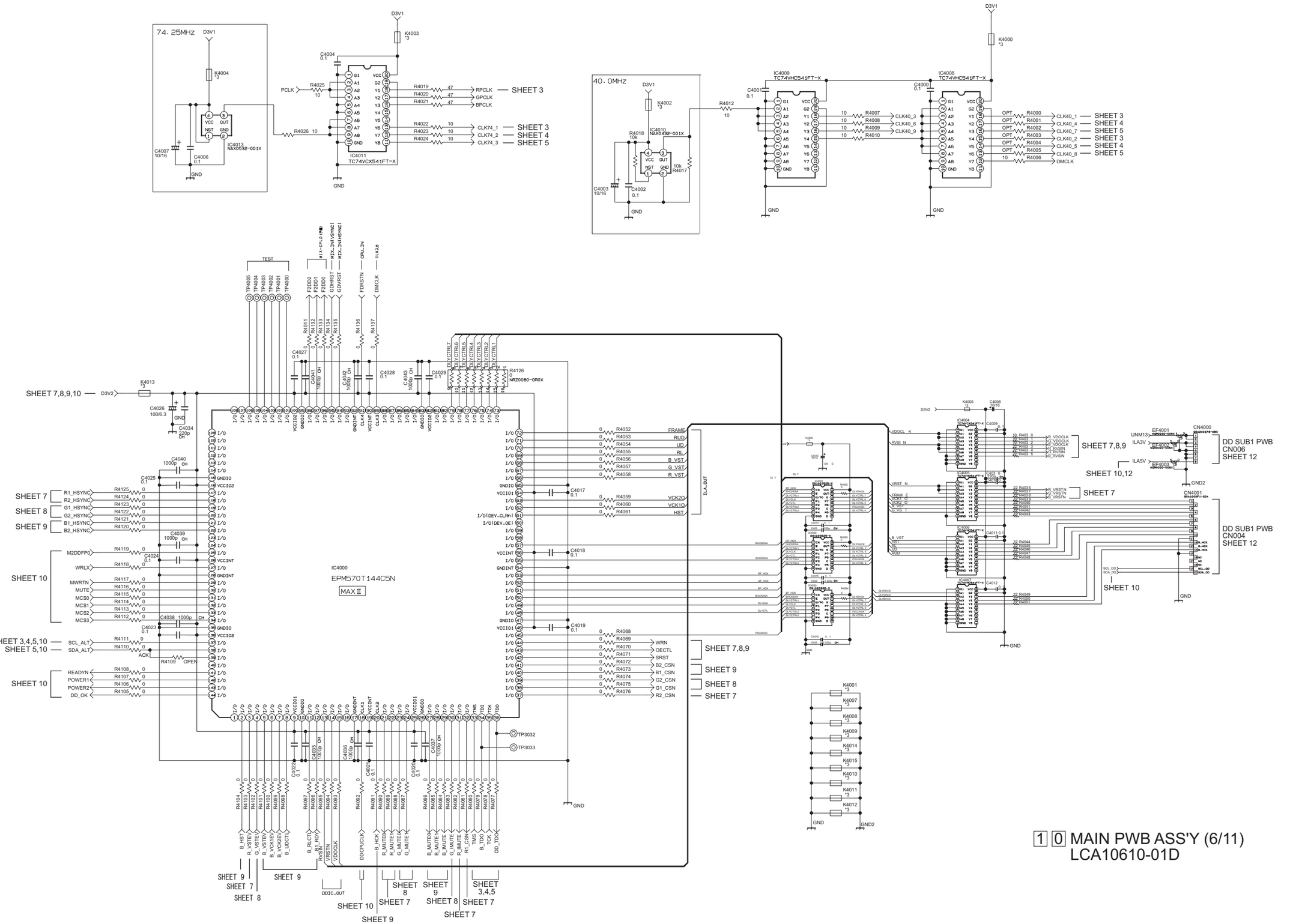
GREEN
MIX FPGA <--> DDR

1 0 MAIN PWB ASS'Y (4/11)
LCA10610-01D



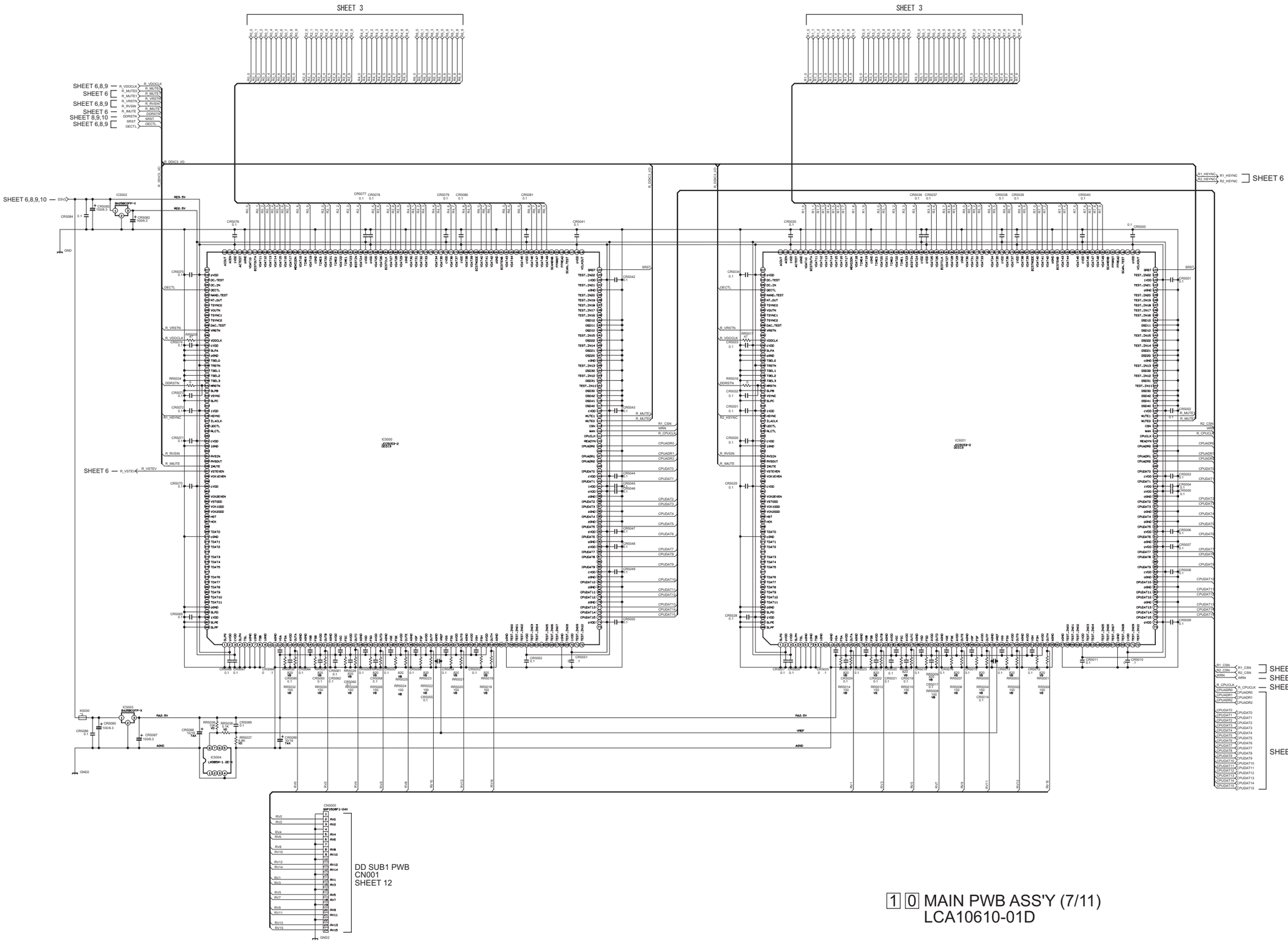
1 0 MAIN PWB ASS'Y (5/11)
LCA10610-01D

MAIN PWB CIRCUIT DIAGRAM (6/11) SHEET 6



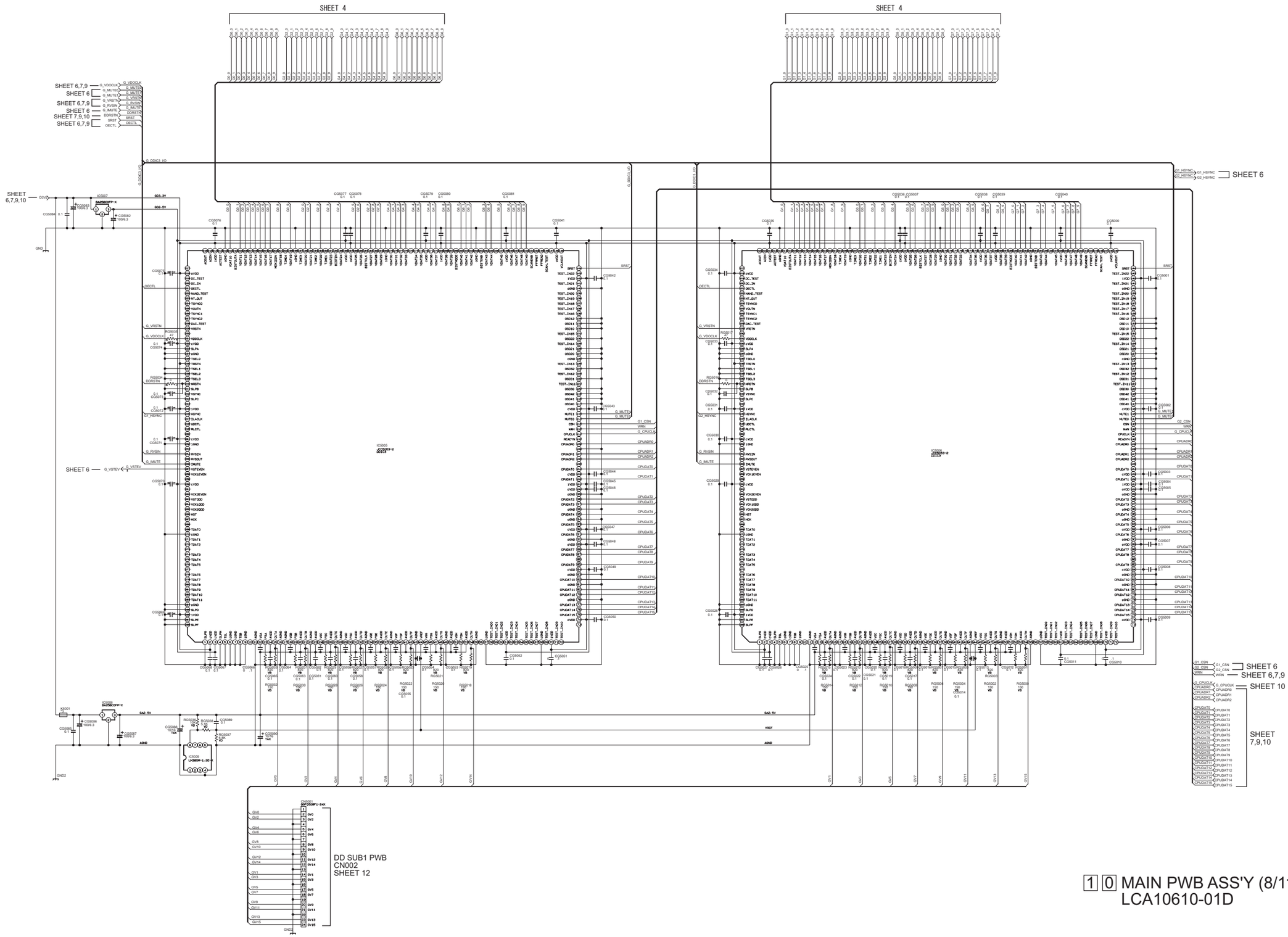
1 0 MAIN PWB ASS'Y (6/11)
LCA10610-01D

MAIN PWB CIRCUIT DIAGRAM (7/11) SHEET 7



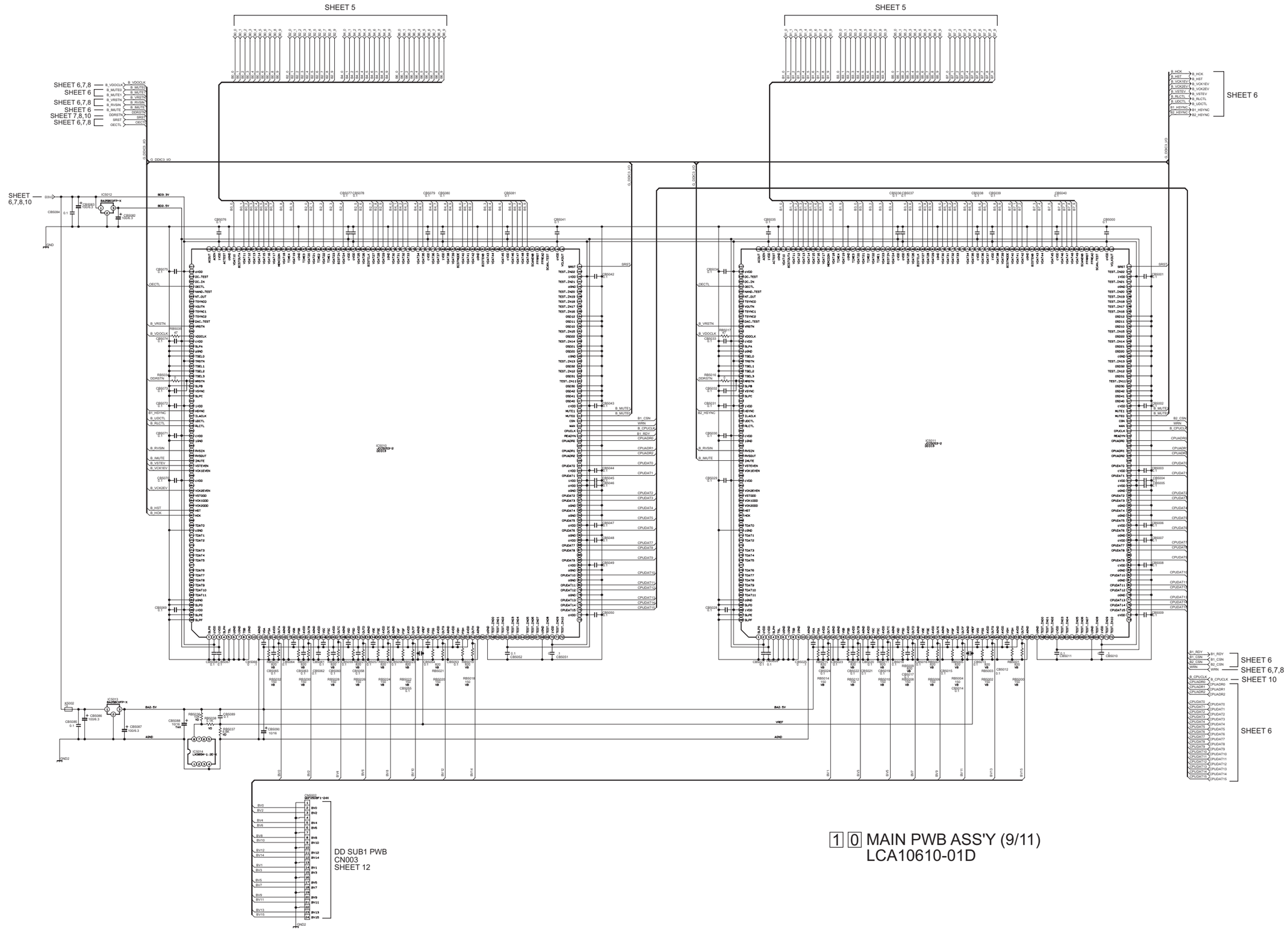
1 0 MAIN PWB ASS'Y (7/11)
LCA10610-01D

MAIN PWB CIRCUIT DIAGRAM (8/11) SHEET 8



1 0 MAIN PWB ASS'Y (8/11)
LCA10610-01D

MAIN PWB CIRCUIT DIAGRAM (9/11) SHEET 9



1 0 MAIN PWB ASS'Y (9/11)
LCA10610-01D

MAIN PWB CIRCUIT DIAGRAM (10/11) SHEET 10

1 0 MAIN PWB ASS'Y (10/11)
LCA10610-01D

POWER PWB CN9007 SHEET 14

SWITCH PWB CN7009 SHEET 20

FAN MOTOR

FAN MOTOR

FAN MOTOR

FAN MOTOR

FAN MOTOR

FAN MOTOR

FAN MOTOR

FAN MOTOR

OPERATION PWB CN8100 SHEET 16

LED PWB CN8200 SHEET 19

IR1 PWB CN8300 SHEET 17

IR2 PWB CN8400 SHEET 18

POWER PWB CN9004 SHEET 14

SHEET 1

SHEET 7, 8, 9

SHEET 7, 8, 9

SHEET 7, 8, 9

SHEET 1, 3, 5, 4

SHEET 6

SHEET 6, 7, 8, 9

SHEET 7

SHEET 8

SHEET 5

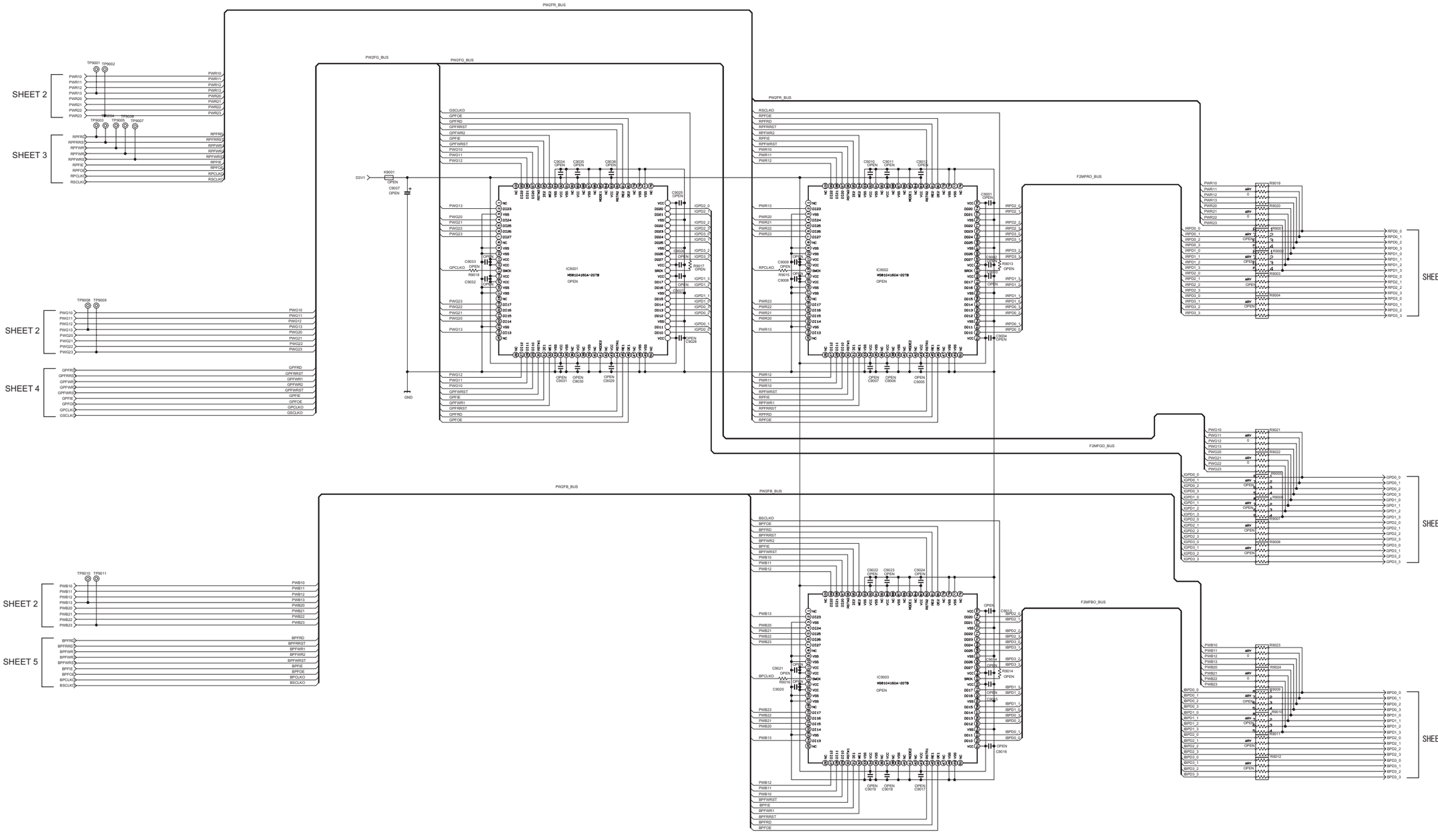
SHEET 1, 3

SHEET 4

SHEET 6

SHEET 6

SHEET 6



1 0 MAIN PWB ASS'Y (11/11)
LCA10610-01D

DD SUB1 PWB CIRCUIT DIAGRAM SHEET 12

MAIN PWB(7/11)
CN5000
SHEET 7

MAIN PWB(8/11)
CN5001
SHEET 8

MAIN PWB(9/11)
CN5002
SHEET 9

MAIN PWB(6/11)
CN4001
SHEET 6

MAIN PWB(6/11)
CN4000
SHEET 6

DD SUB2 PWB
CN012
SHEET 13

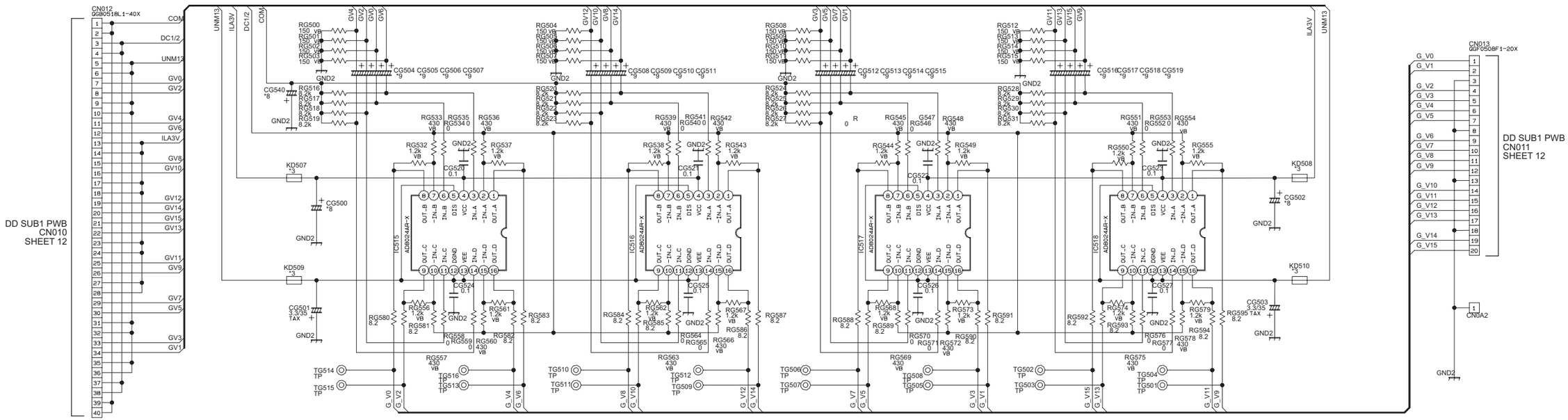
DD SUB2 PWB
CN013
SHEET 13

OPTICAL BLOCK ASS'Y

OPTICAL BLOCK ASS'Y

NOTES:UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μF.
ELECTROLYTIC
CERAMIC
MYLER
NON POLAR

3 4 DD SUB1 PWB ASS'Y
LCA90234-02B

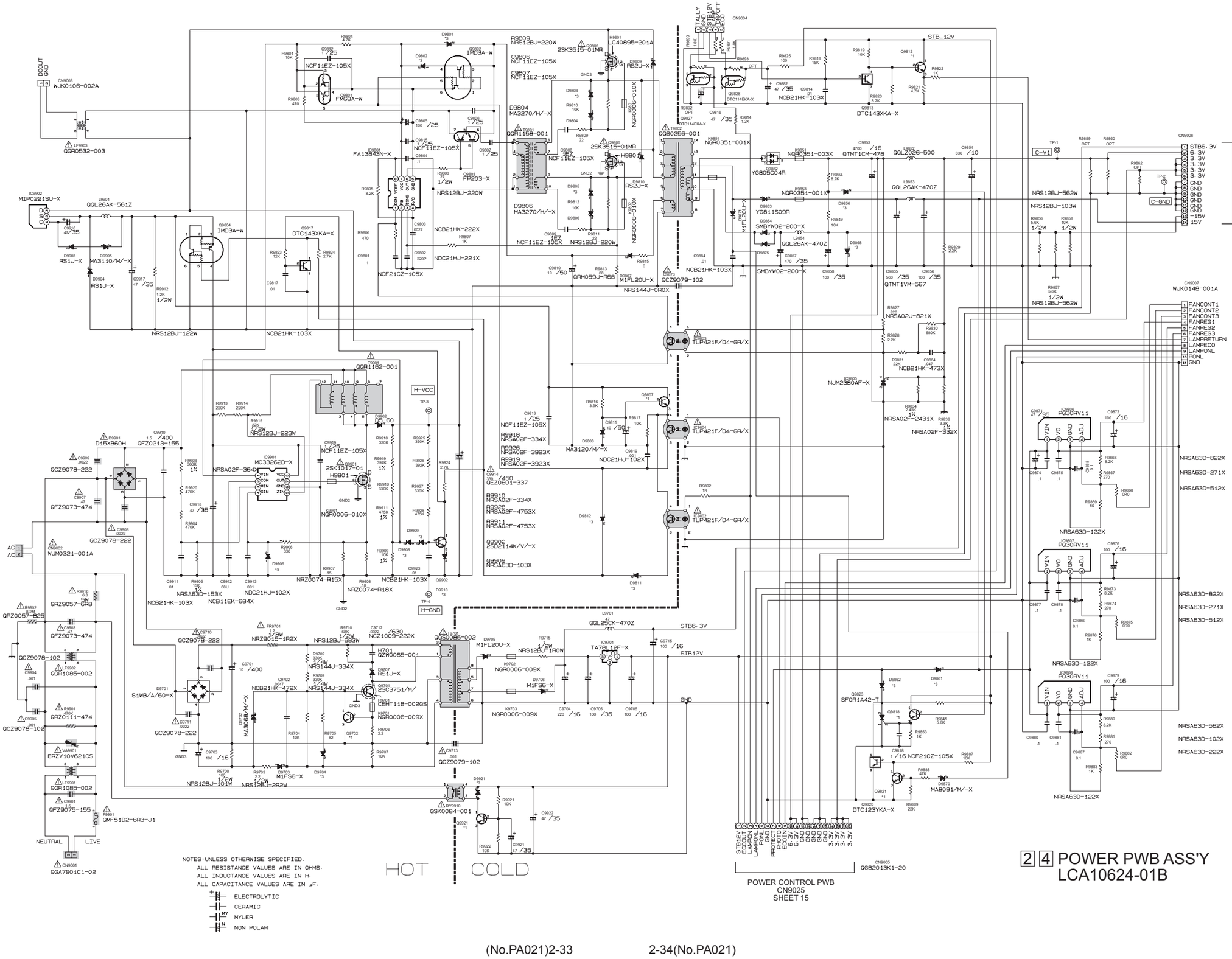


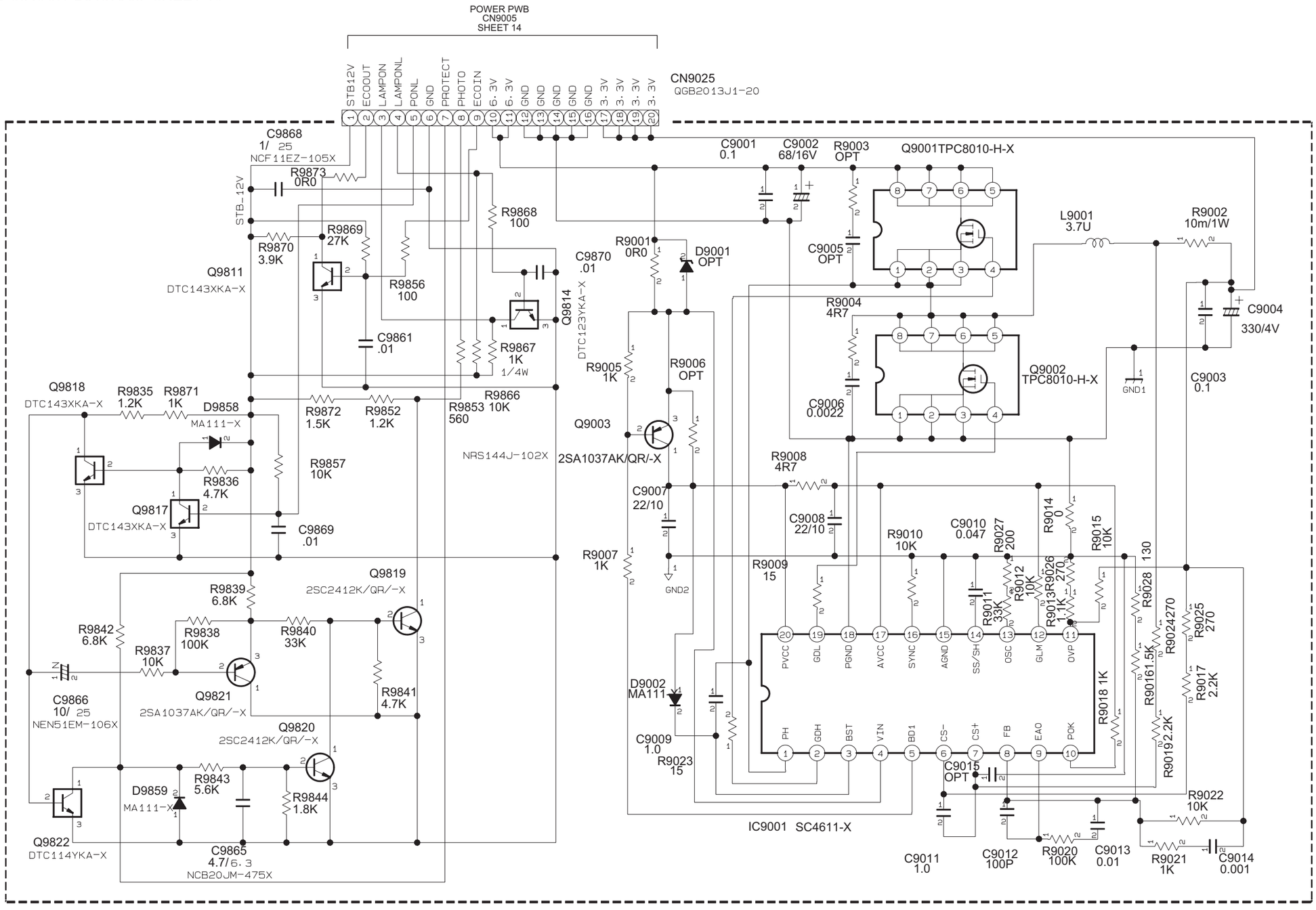
NOTES:UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μF.

ELECTROLYTIC
CERAMIC
MYLER
NON POLAR

3 5 DD SUB2 PWB ASS'Y
LCA90235-02B

POWER PWB CIRCUIT DIAGRAM SHEET 14



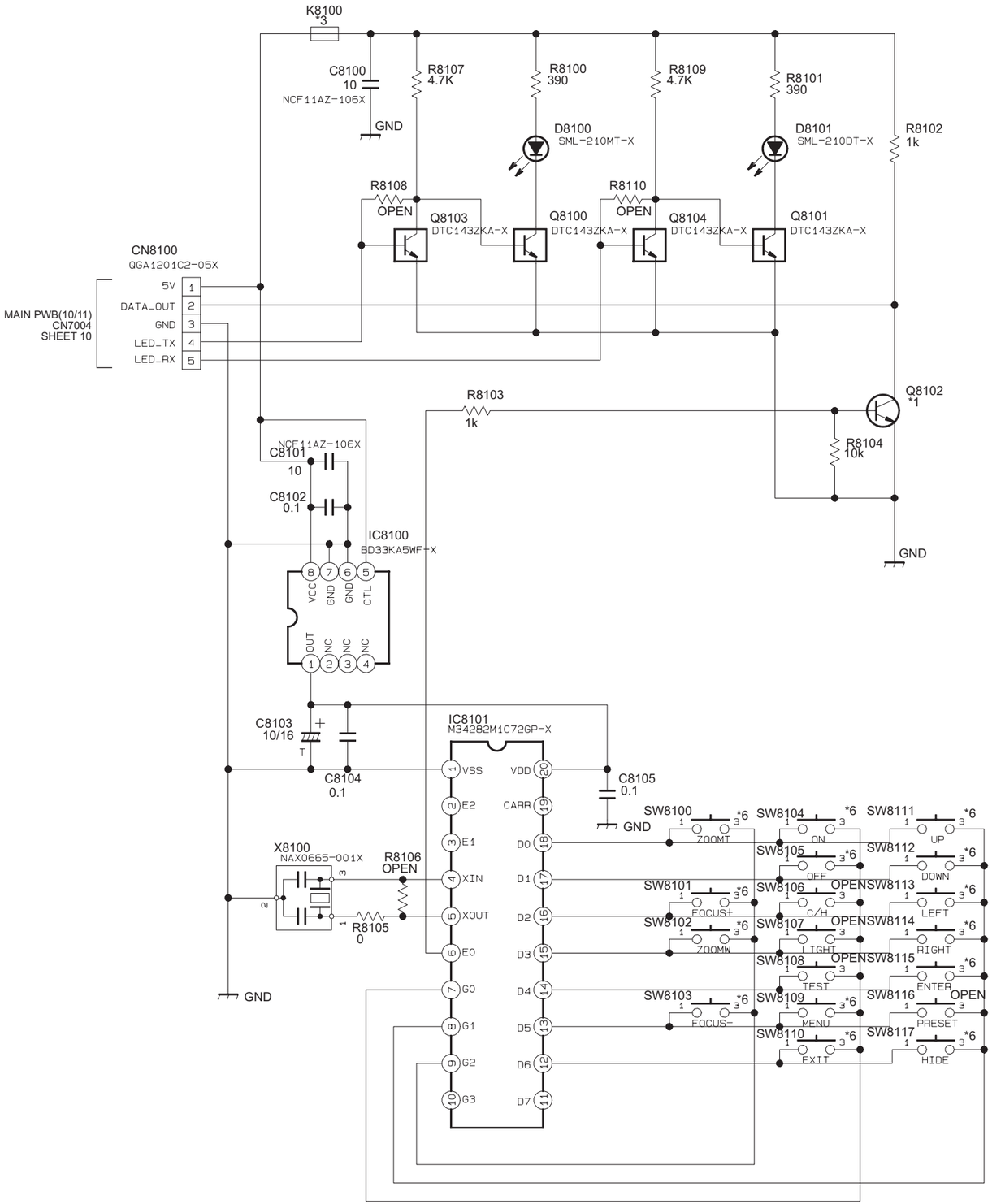


NOTES:UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μF.

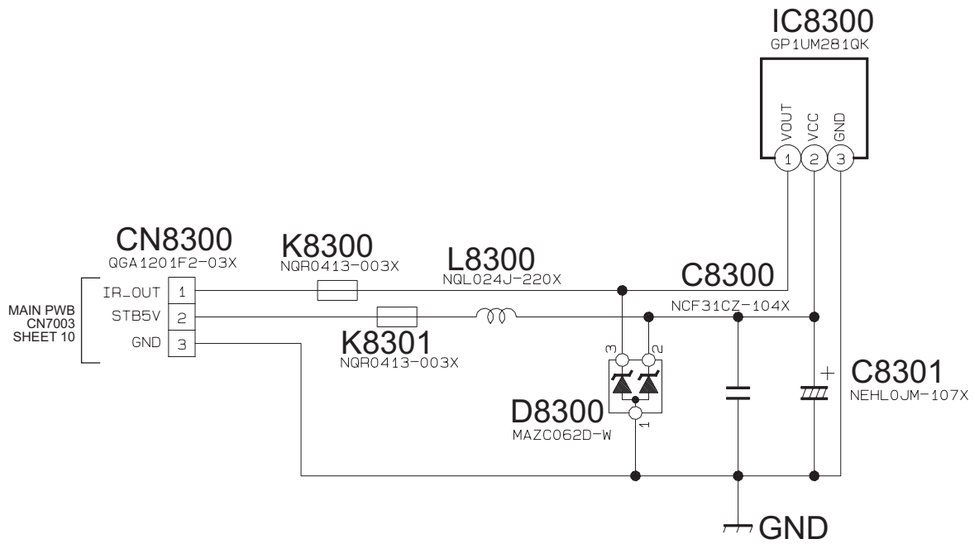
ELECTROLYTIC
CERAMIC
MYLER
NON POLAR

0 P POWER CONTROL PWB ASS'Y
SXG-0P004A

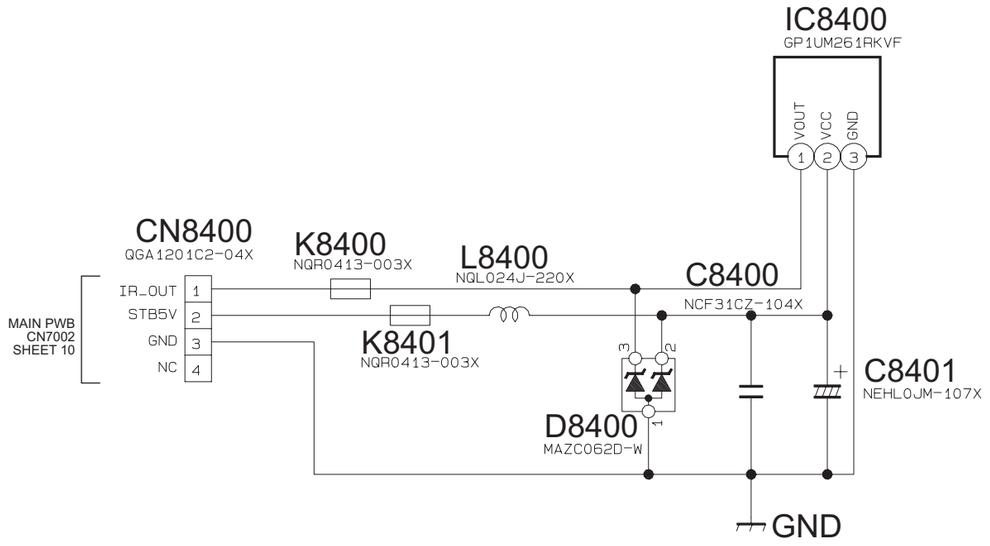
OPERATION PWB CIRCUIT DIAGRAM SHEET 16



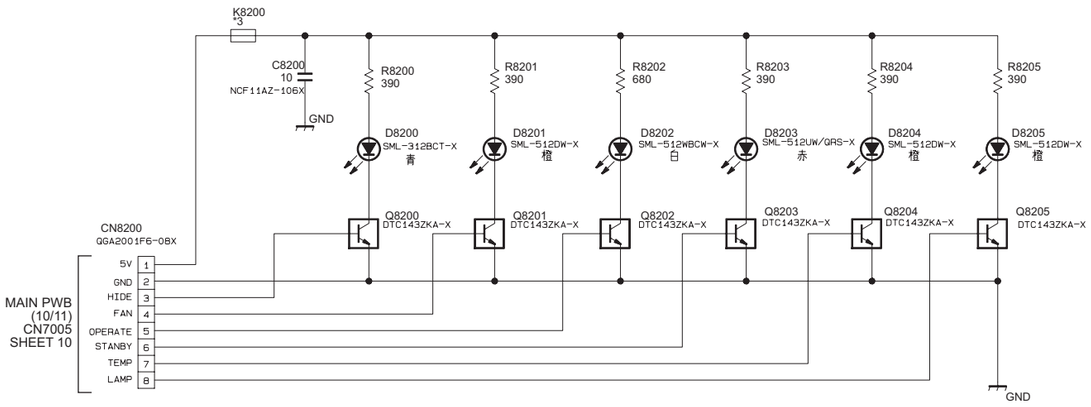
3 3 OPERATION PWB ASS'Y
LCA90533-01C



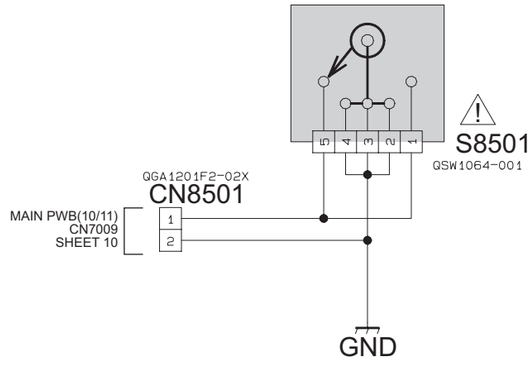
3 1 IR1 PWB ASS'Y
LCA90531-01C



3 2 IR2 PWB ASS'Y
LCA90532-01C



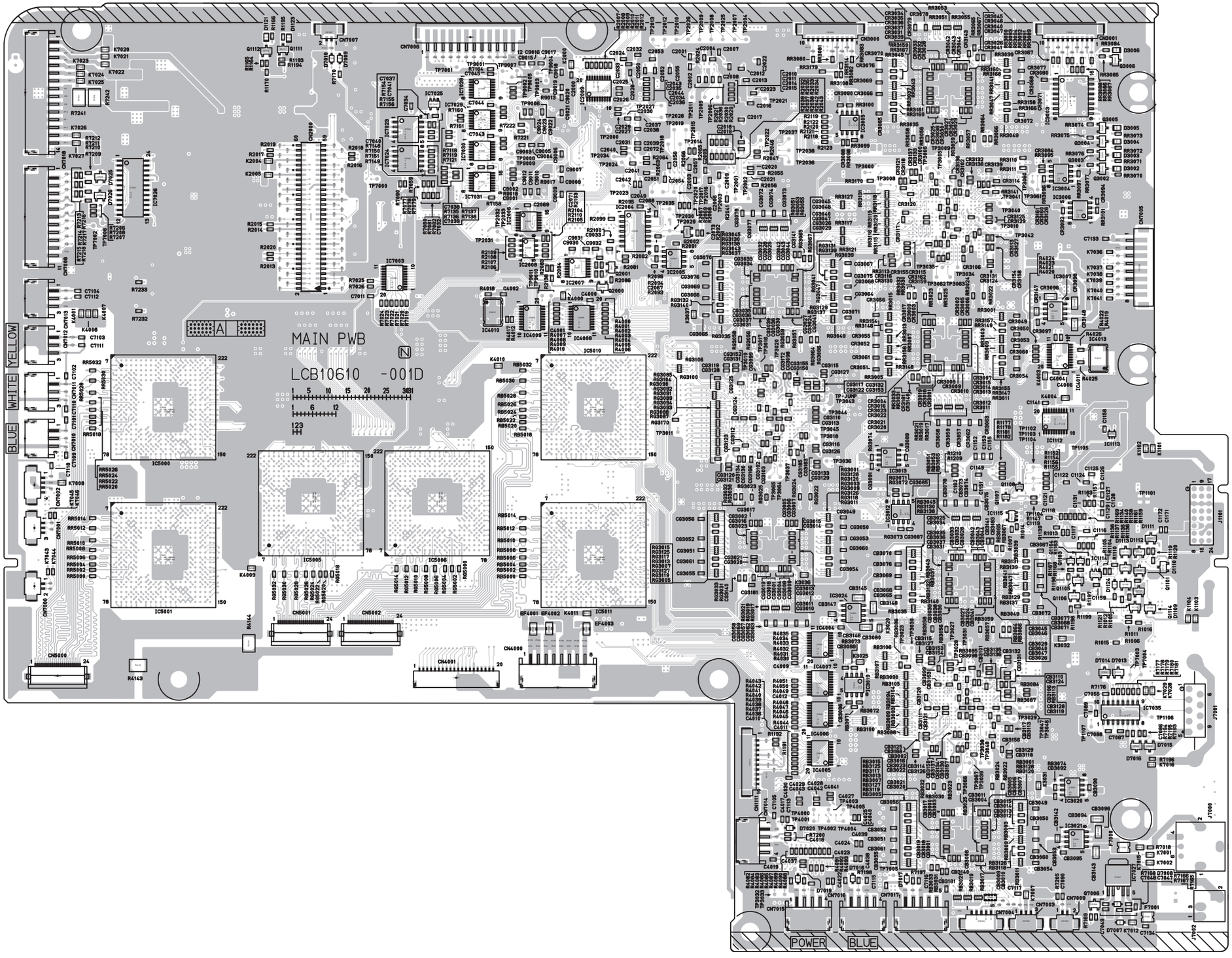
4 9 LED PWB ASS'Y
LCA90549-01C



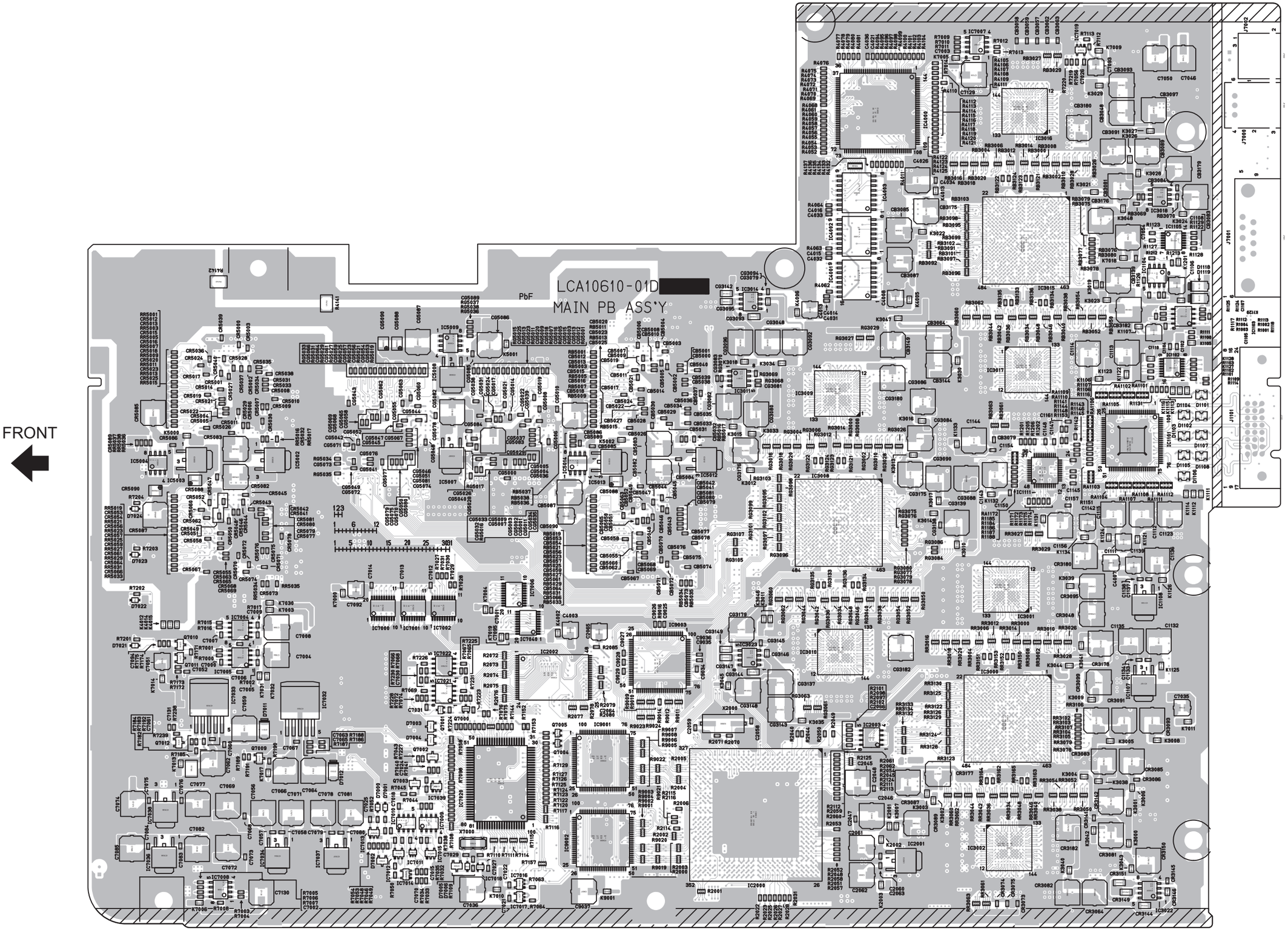
6 1 SWITCH PWB ASS'Y
LCA90561-01C

PATTERN DIAGRAMS

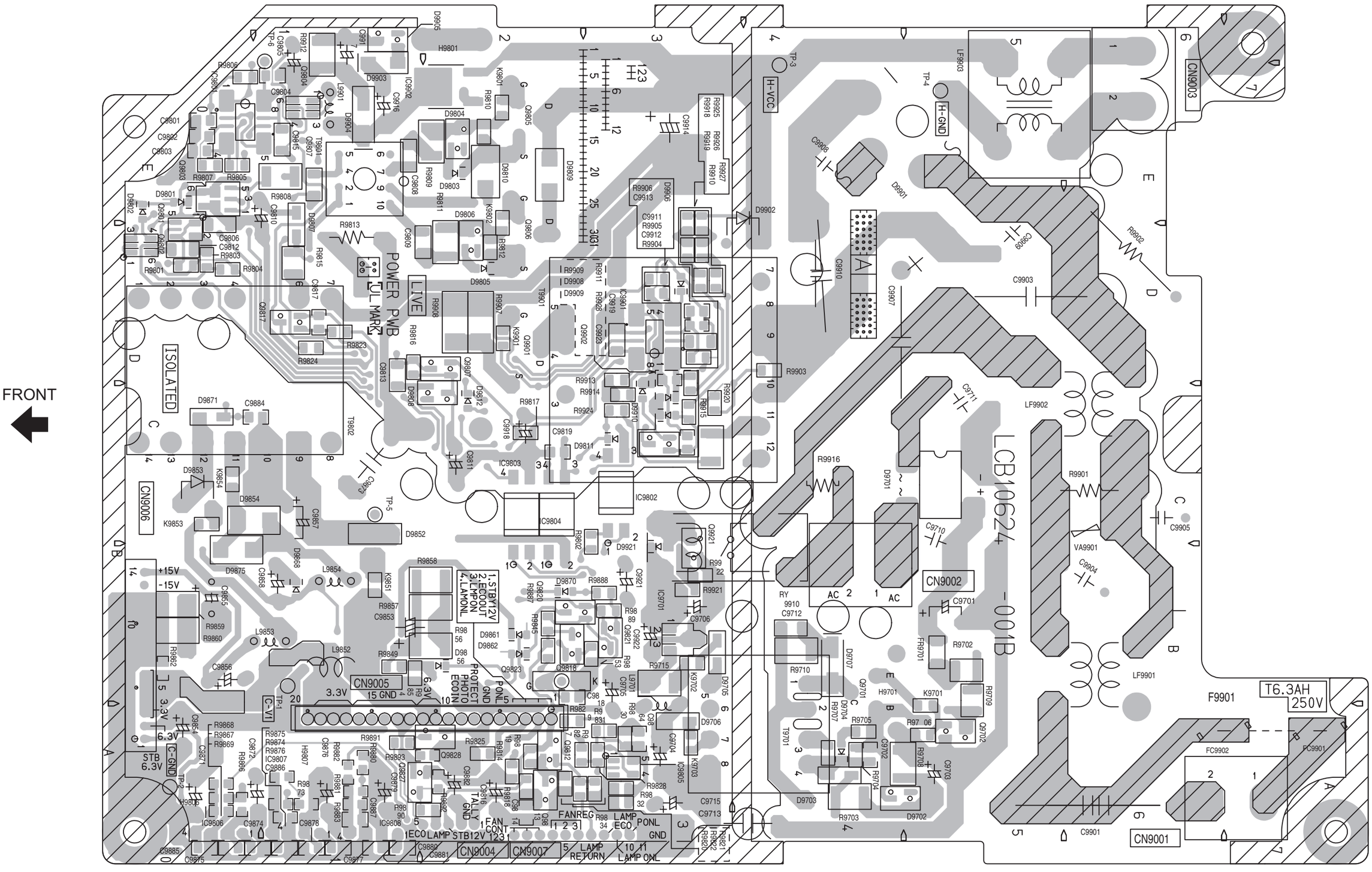
MAIN PWB PATTERN [SOLDER SIDE]



MAIN PWB PATTERN [PARTS SIDE]

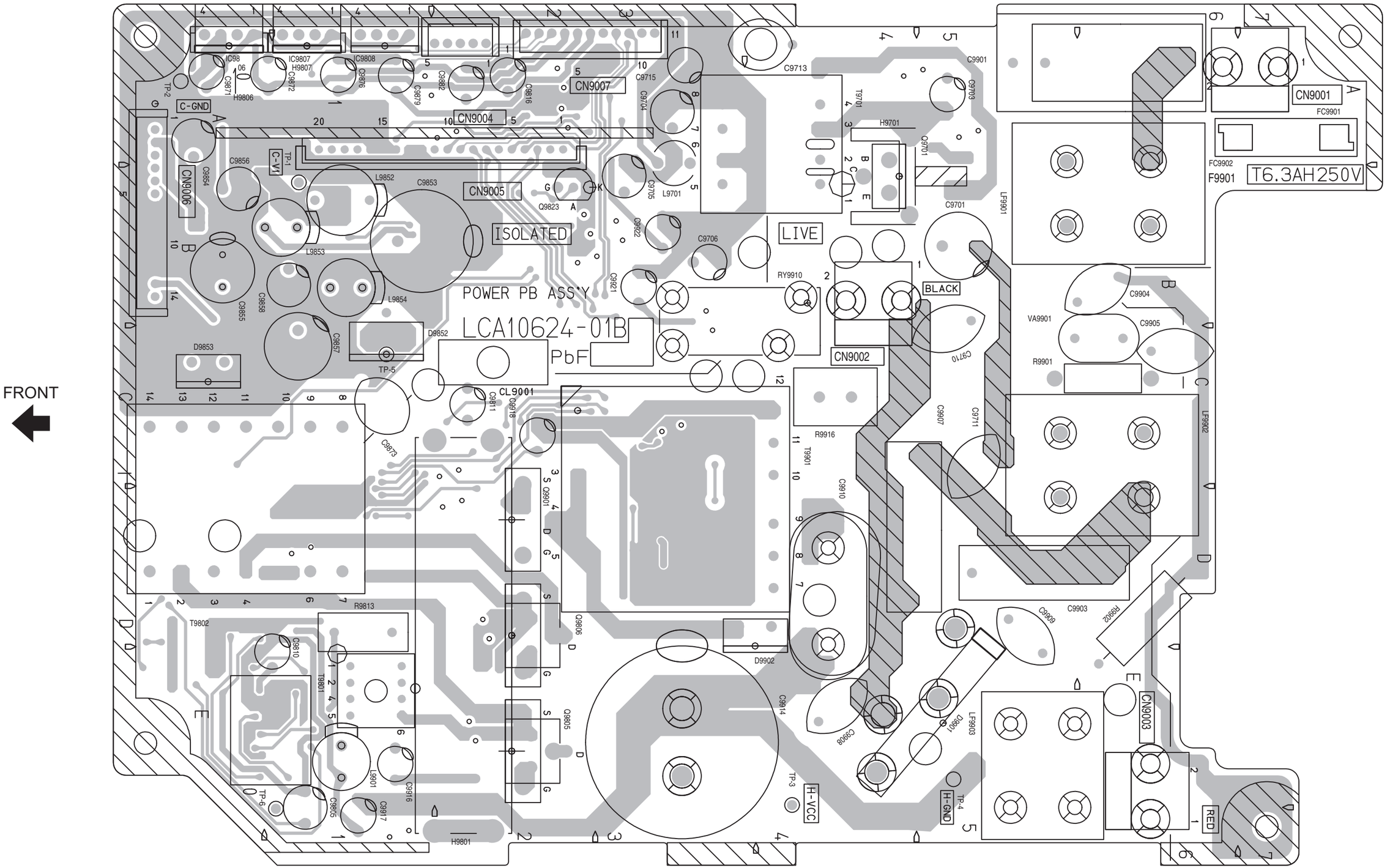


POWER PWB PATTERN [SOLDER SIDE]

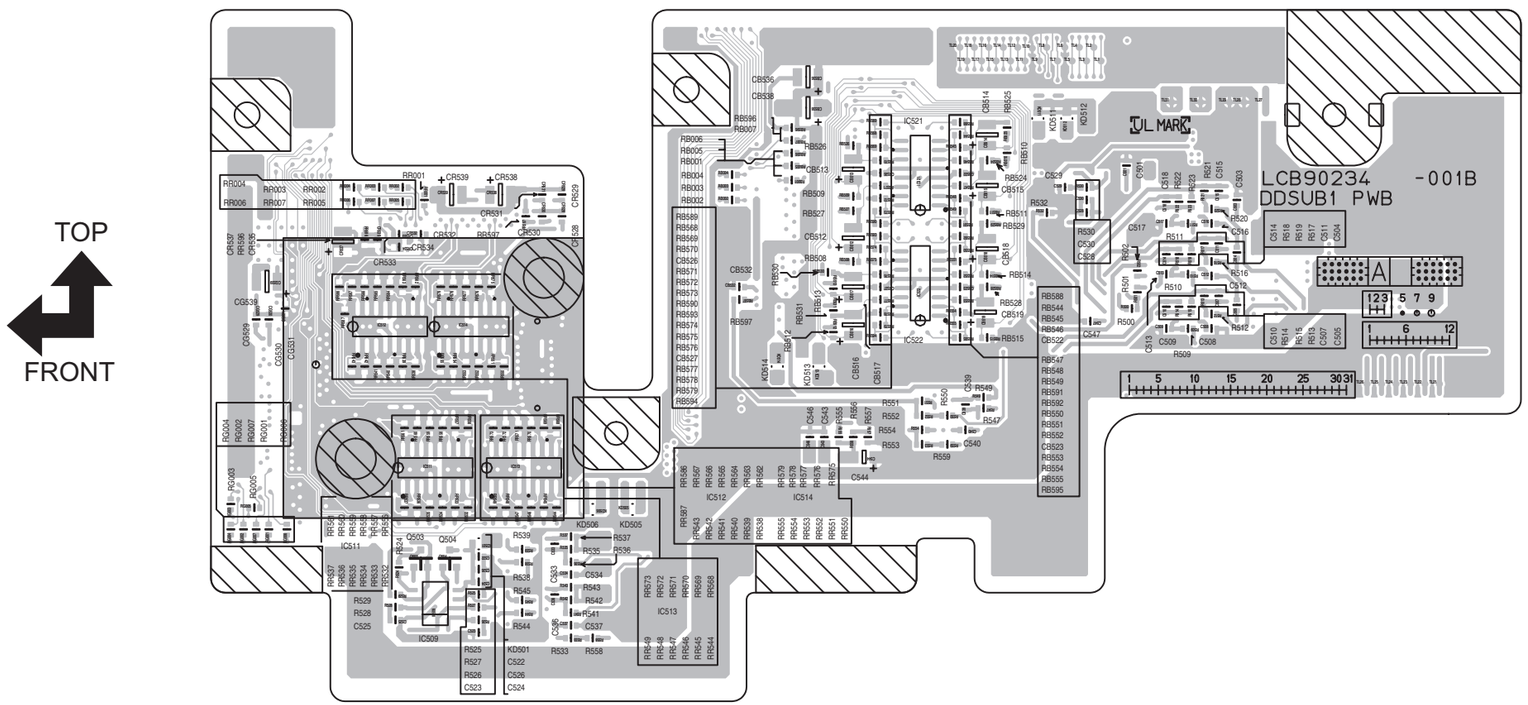


POWER PWB PATTERN [PARTS SIDE]

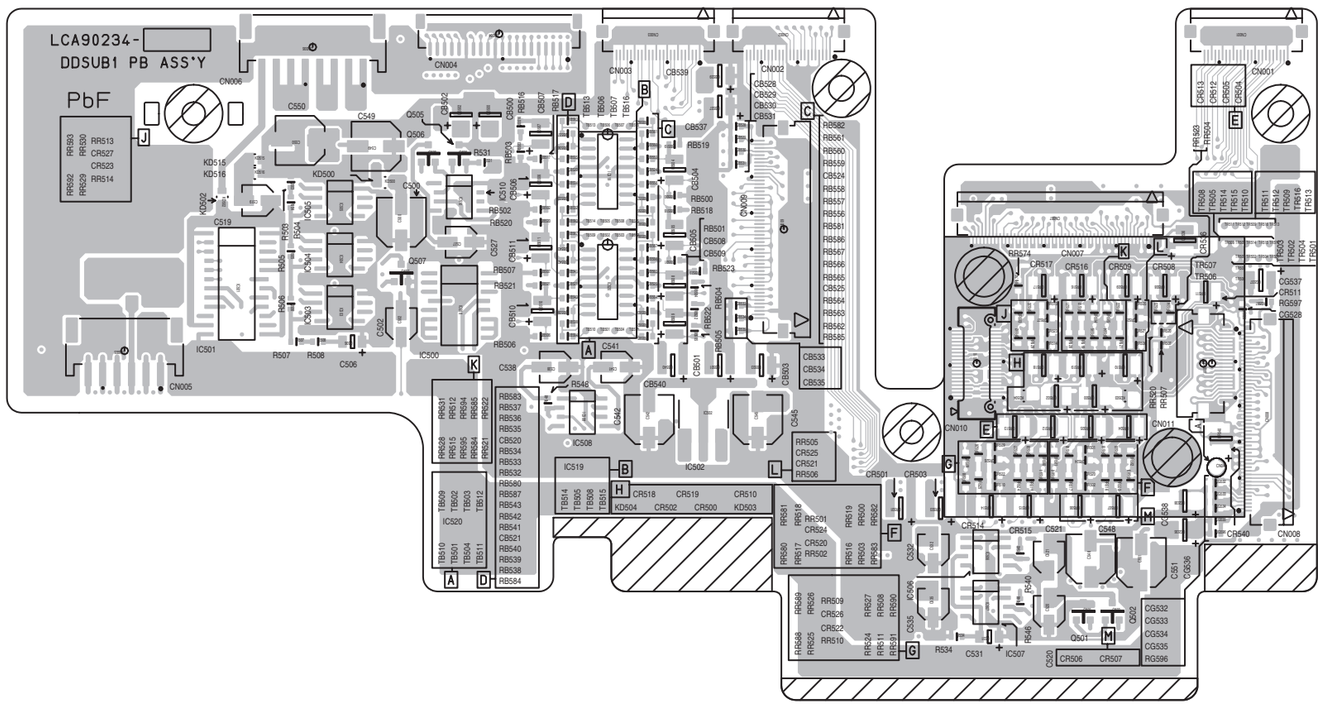
FRONT



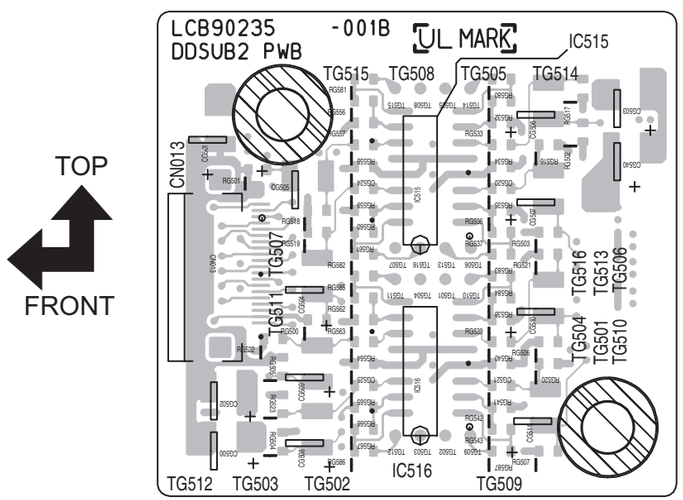
DD SUB1 PWB PATTERN [SOLDER SIDE]



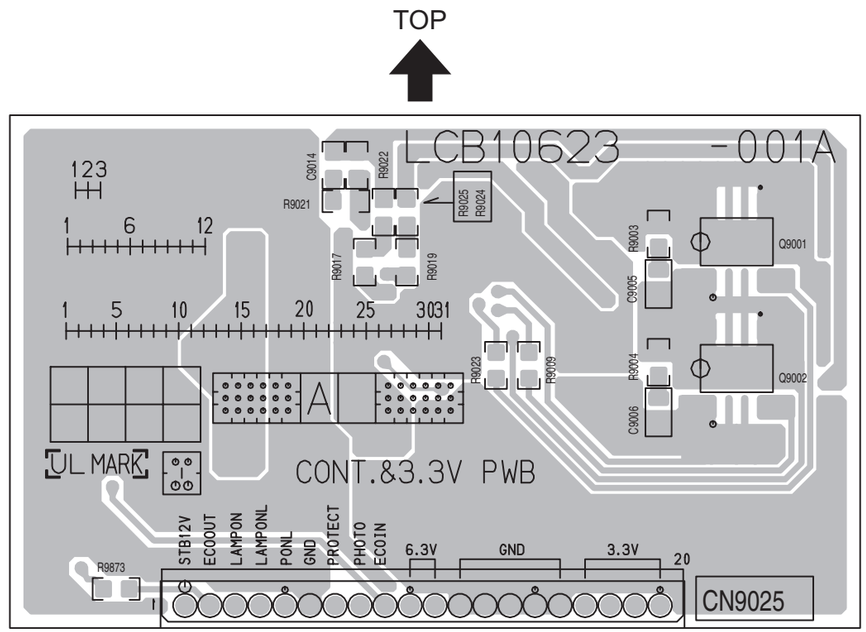
DD SUB1 PWB PATTERN [PARTS SIDE]



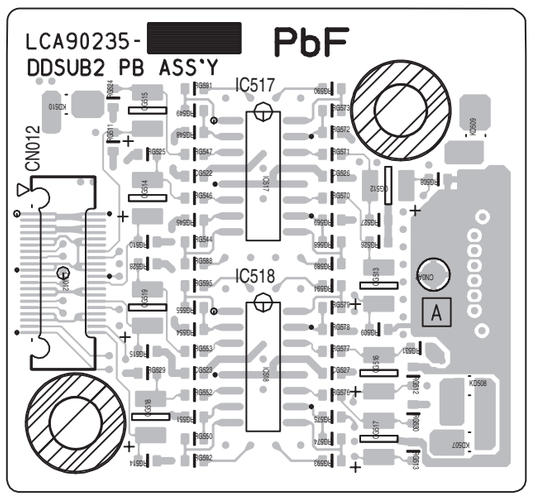
DD SUB2 PWB PATTERN [SOLDER SIDE]



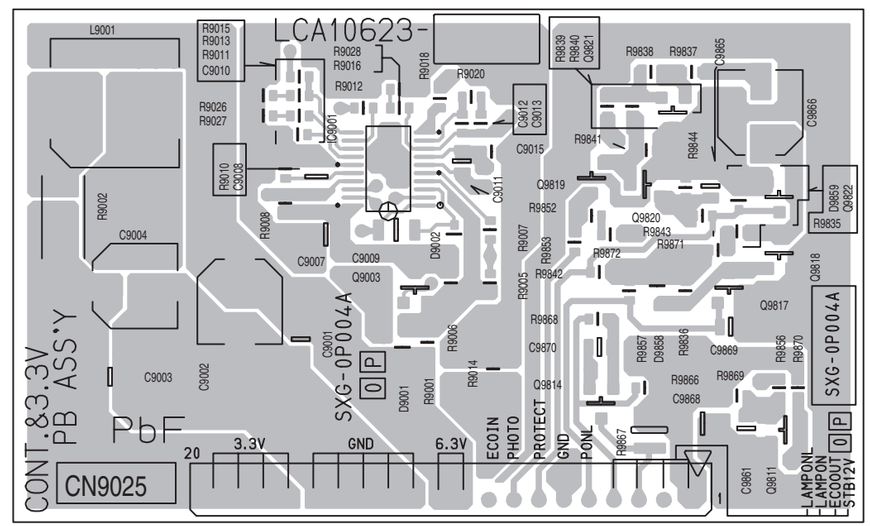
POWER CONTROL PWB PATTERN [SOLDER SIDE]



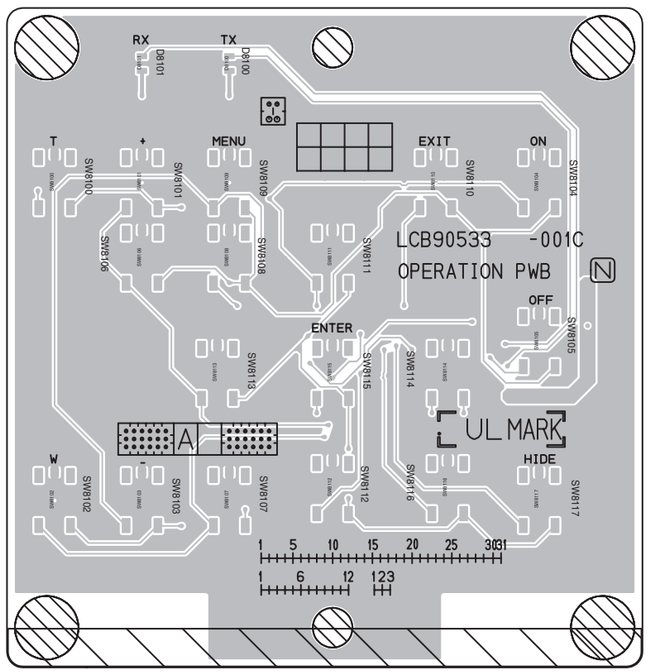
DD SUB2 PWB PATTERN [PARTS SIDE]



POWER CONTROL PWB PATTERN [PARTS SIDE]



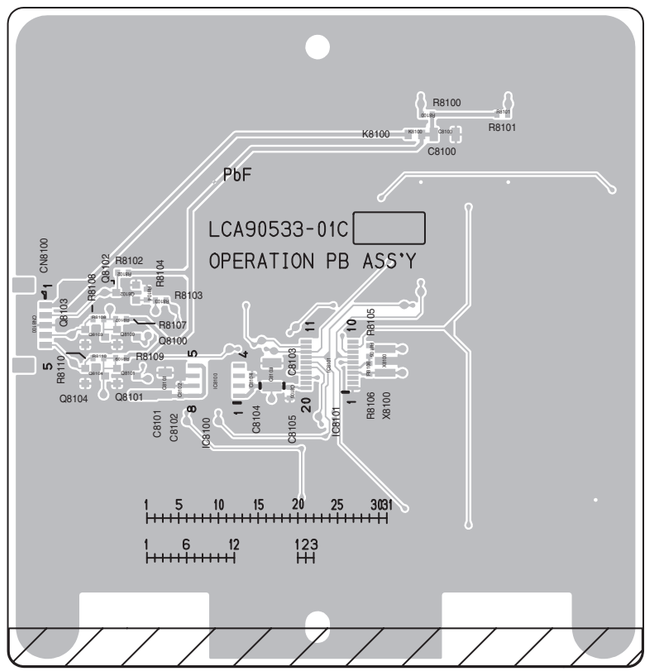
OPERATION PWB PATTERN [SOLDER SIDE]



FRONT

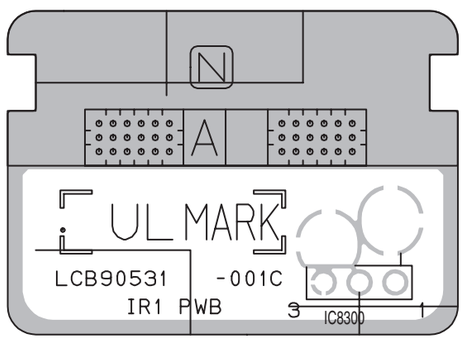
OPERATION PWB PATTERN [PARTS SIDE]

FRONT



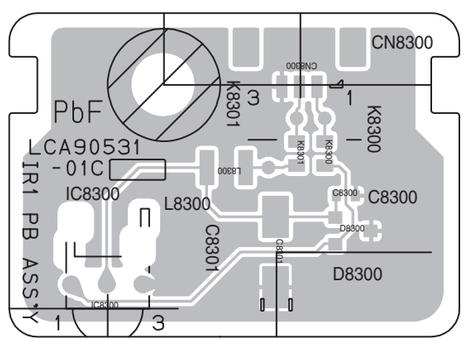
IR1 PWB PATTERN [SOLDER SIDE]

TOP



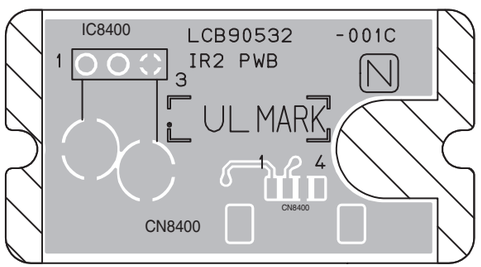
IR1 PWB PATTERN [PARTS SIDE]

TOP



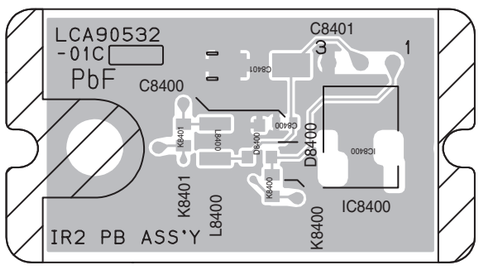
IR2 PWB PATTERN [SOLDER SIDE]

FRONT

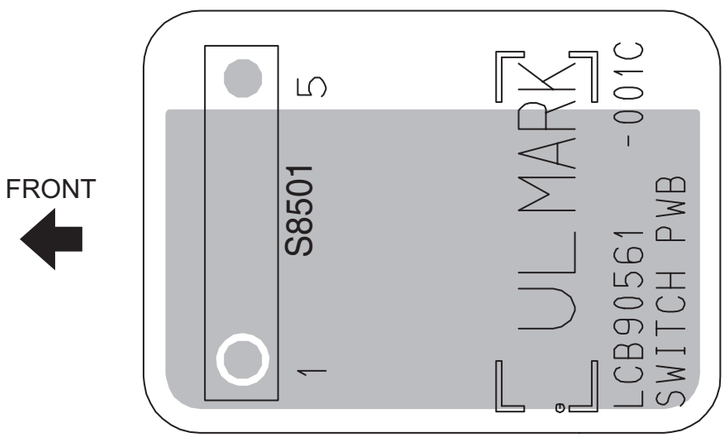


IR2 PWB PATTERN [PARTS SIDE]

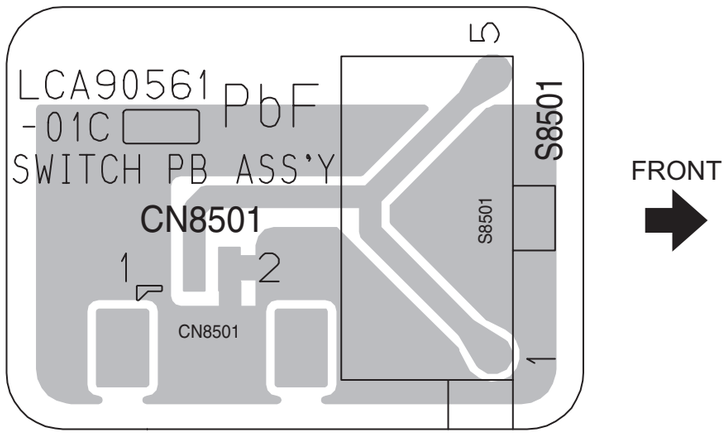
FRONT



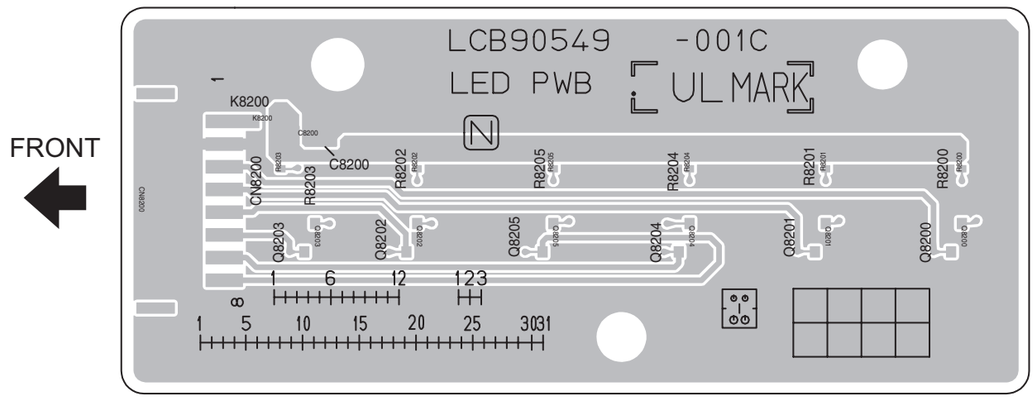
SWITCH PWB PATTERN [SOLDER SIDE]



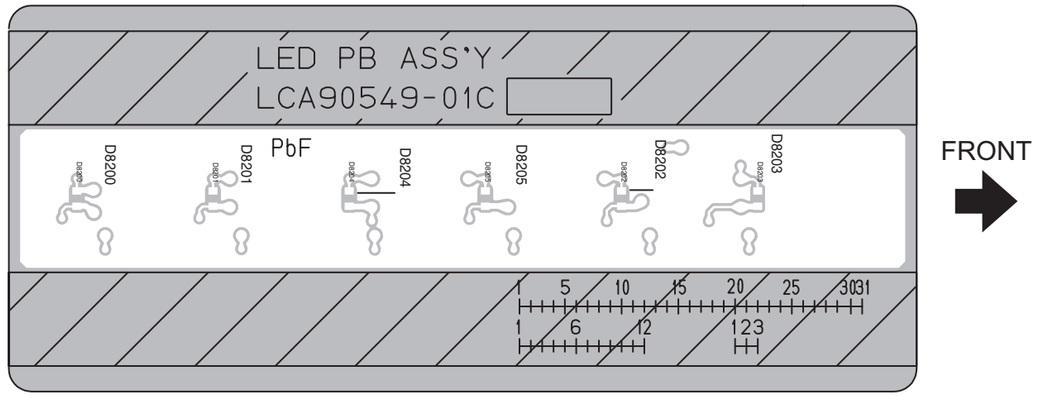
SWITCH PWB PATTERN [PARTS SIDE]



LED PWB PATTERN [SOLDER SIDE]



LED PWB PATTERN [PARTS SIDE]



PARTS LIST

CAUTION

- The parts identified by the ⚠ symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.
- P.W. BOARD Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

RESISTORS	
CR	Carbon Resistor
FR	Fusible Resistor
PR	Plate Resistor
VR	Variable Resistor
HV R	High Voltage Resistor
MF R	Metal Film Resistor
MG R	Metal Glazed Resistor
MP R	Metal Plate Resistor
OM R	Metal Oxide Film Resistor
CMF R	Coating Metal Film Resistor
UNF R	Non-Flammable Resistor
CH V R	Chip Variable Resistor
CH MG R	Chip Metal Glazed Resistor
COMP. R	Composition Resistor
LPTC R	Linear Positive Temperature Coefficient Resistor

CAPACITORS	
C CAP.	Ceramic Capacitor
E CAP.	Electrolytic Capacitor
M CAP.	Mylar Capacitor
CH CAP.	Chip Capacitor
HV CAP.	High Voltage Capacitor
MF CAP.	Metalized Film Capacitor
MM CAP.	Metalized Mylar Capacitor
MP CAP.	Metalized Polystyrol Capacitor
PP CAP.	Polypropylene Capacitor
PS CAP.	Polystyrol Capacitor
TF CAP.	Thin Film Capacitor
MPP CAP.	Metalized Polypropylene Capacitor
TAN. CAP.	Tantalum Capacitor
CH C CAP.	Chip Ceramic Capacitor
BP E CAP.	Bi-Polar Electrolytic Capacitor
CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

RESISTORS									
F	G	J	K	M	N	R	H	Z	P
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%

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USING P.W. BOARD & REMOTE CONTROL UNIT

■Repair of these models are P.W. BOARD Ass'y exchange in principle.

P.W.B ASS'Y name	P.W.B ASS'Y No.			
	DLA-HD10KU	DLA-HD10KSU	DLA-HD10KE	DLA-HD10KSE
MAIN P.W.B	LCA10610-01D	←	←	←
POWER P.W.B	LCA10624-01B	←	←	←
DD SUB1 P.W.B	LCA90234-02B	←	←	←
DD SUB2 P.W.B	LCA90235-02B	←	←	←
IR1 P.W.B	LCA90531-01C	←	←	←
IR2 P.W.B	LCA90532-01C	←	←	←
OPERATION P.W.B	LCA90533-01C	←	←	←
POWER CONTROL P.W.B	SXG-0P004A	←	←	←
LED P.W.B	LCA90549-01C	←	←	←
SWITCH P.W.B	LCA90561-01C	←	←	←
REMOTE CONTROL UNIT	RM-MH10KG	←	←	←

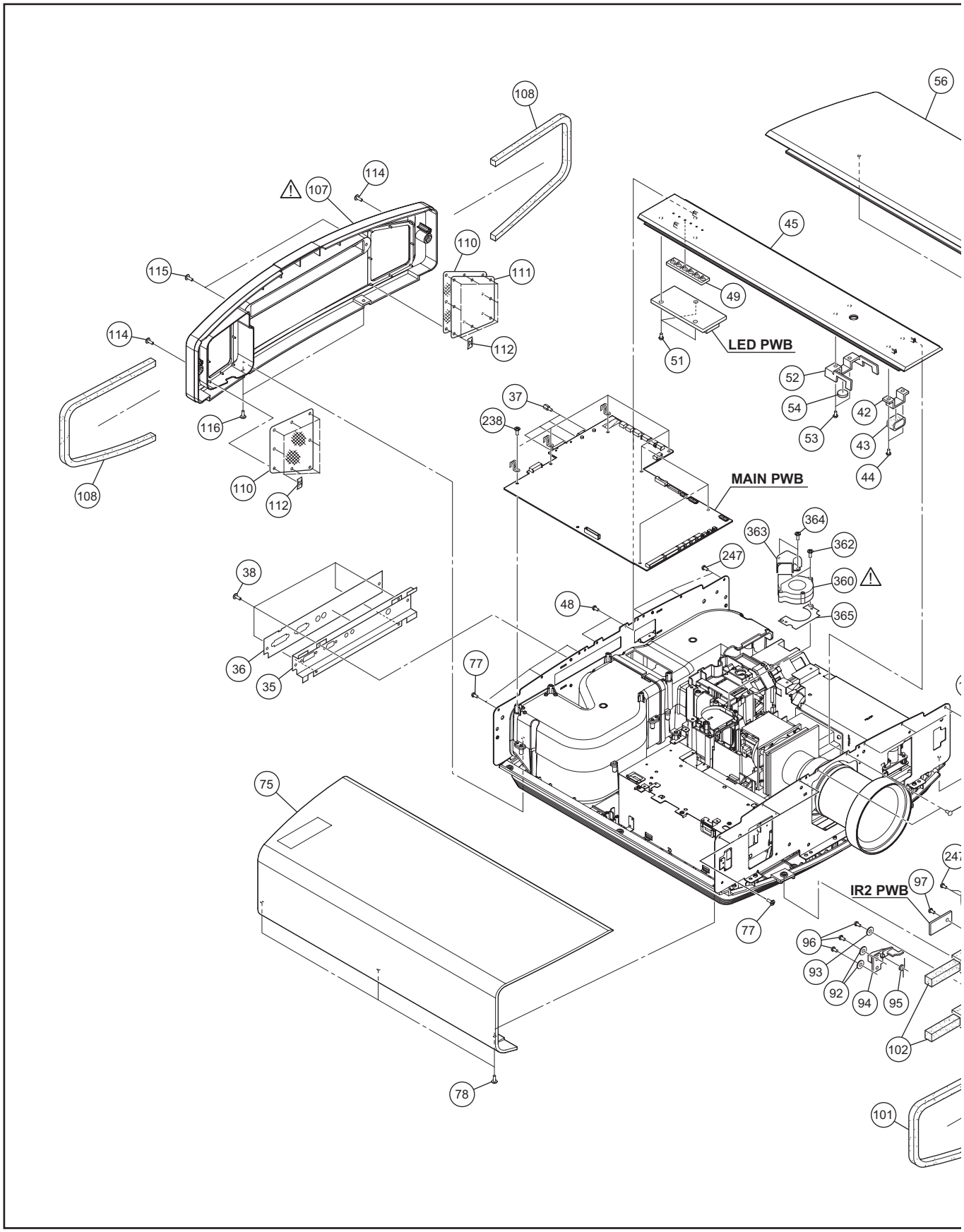
EXPLODED VIEW PARTS LIST

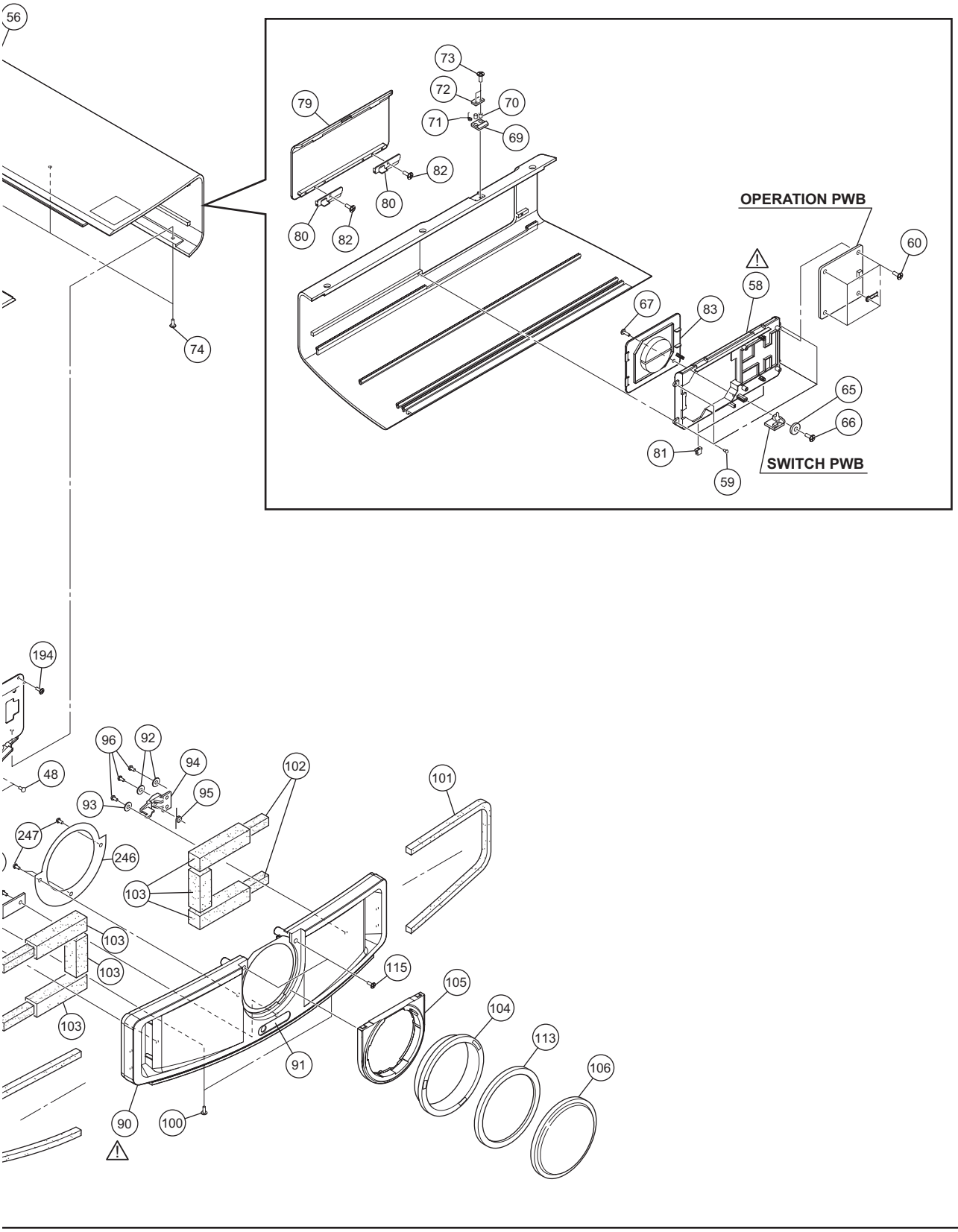
⚠	Ref.No.	Part No.	Part Name	Description	Local
⚠	1	LC12565-001B	BOTTOM CASE		
	2	LC33333-001B	EARTH PLATE	(x2)	
	3	LC22038-001A	FRAME BOTTOM	(x2)	
	4	QYSDSP4010MA	SCREW	M4 x 10mm(x16)	
	5	LC41546-019A	GASKET		
	9	LC30843-004A	FOOT FRONT	(x4)	
	10	LC42364-001A	CUSHION	(x4)	
	11	QYBNSP8035NA	BOLT	M8 x 35mm(x4)	
	12	QYNTS8000RA	NUT	M8(x4)	
	14	QYSPSPD4008NA	SCREW	M4 x 8mm	
	15	QYSBSG3008ZA	TAP SCREW	M3 x 8mm	
⚠	16	QNC0100-001	AC INLET(NOISE)		
	17	LC42356-001A	HOLDER INLET		
	18	QYSDSP3012MA	SCREW	M3 x 12mm(x2)	
	19	LC12577-001B	FRONT PANEL BLK		
	25	QYSBSG4010ZA	TAP SCREW	M4 x 10mm(x4)	
	30	LC12578-001A	REAR PANEL BLK		
	31	LC33416-007A	SPONGE		
	32	QYSBSG4010ZA	TAP SCREW	M4 x 10mm(x4)	
	35	LC22034-001B	TERMINAL PLATE		
	36	LC33353-001A	TERMINAL SEAL		
	37	QNB0037-001	CONN ACCESSORY	(x4)	
	38	QYSBSG3008ZA	TAP SCREW	M3 x 8mm(x4)	
	42	LC42459-001A	SPACER		HD10KU,HD10KE
	43	LC41546-023A	GASKET		HD10KU,HD10KE
	44	QYSDSP3006NA	SCREW	M3 x 6mm(x2)	
	45	LC12517-001C	COVER CENTER		
	48	QYSBSG3008ZA	TAP SCREW	M3 x 8mm(x4)	
	49	LC33329-001B	LENS LED		
	51	QYSDSP3006NA	SCREW	M3 x 6mm(x3)	
	52	LC33500-001A	HOLDER SHIFT		
	53	QYSDSP3006NA	SCREW	M3 x 6mm(x2)	
	54	LC42364-002A	CUSHION		
	56	LC12515-001B	COVER TOP(R)		
⚠	58	LC12579-001B	CONTROL PANEL		
	59	QYSDSP3006NA	SCREW	M3 x 6mm(x4)	
	60	QYSBSG3008ZA	TAP SCREW	M3 x 8mm(x4)	
	65	QYWWS32A008NA	WASHER		
	66	QYSBSG3008ZA	TAP SCREW	M3 x 8mm	
	67	LC41364-002A	SPECIAL SCREW		
	69	LC33328-001A	LOCK LEVER		
	70	LC42383-001A	COLLAR	(x2)	
	71	LC42384-001A	TOR SPRING		
	72	LC42450-001A	LOCK COVER		
	73	QYSDSP3006MA	SCREW	M3 x 6mm(x2)	
	74	QYSDSP4010MA	SCREW	M4 x 10mm(x3)	
	75	LC12516-001B	COVER TOP(L)		
	77	QYSBSG3008ZA	TAP SCREW	M3 x 8mm(x6)	
	78	QYSDSP4010MA	SCREW	M4 x 10mm(x3)	
	79	LC21992-001B	DOOR		
	80	LC42354-001A	MAGNET HOLDER	(x2)	
	81	QZW0262-001	MAGNET LATCH	(x2)	
	82	QYSDSP3004MA	SCREW	M3 x 4mm(x2)	
	83	LC22037-001A	DOOR LAMP		
⚠	90	LC12566-001B	FRONT PANEL		
	91	LC42350-001A	IR WINDOW(F)		
	92	QYWWS32A008NA	WASHER	(x4)	
	93	QYWWS32E008NA	WASHER	(x2)	
	94	LC33327-001A	LOCKER	(x2)	
	95	LC42386-001A	SPRING	(x2)	
	96	QYSBSG3008ZA	TAP SCREW	M3 x 8mm(x6)	
	97	QYSBSG3008ZA	TAP SCREW	M3 x 8mm	
	100	QYSDSP4010MA	SCREW	M4 x 10mm(x2)	
	101	LC33416-009A	SPONGE	(x2)	
	102	LC33416-011A	SPONGE	(x4)	
	103	LC33416-016A	SPONGE	(x6)	
	104	LC22032-001B	COVER LENS		
	105	LC22033-001A	GRILL LENS		
	106	LC32282-002A	LENS CAP		
⚠	107	LC12567-001B	REAR PANEL		
	108	LC33416-009A	SPONGE	(x2)	
	110	LC42353-001A	PUNCHING METAL	(x2)	
	111	LC42371-001A	BLIND PLATE		
	112	LC42442-001A	SPEED NUT	(x16)	
	113	LC42374-001A	LENS COVER		
	114	QYSDSP4010MA	SCREW	M4 x 10mm(x2)	
	115	QYSDSP3008MA	SCREW	M3 x 8mm(x2)	
	116	QYSDSP4010MA	SCREW	M4 x 10mm(x2)	
	127	LC31319-004A	LABEL LAMP		
	128	LC32068-001B	LABEL CAUTION		
	135	LC12569-001A	DUCT BOTTOM B		
	136	LC33416-010A	SPONGE	(x2)	
	137	LC33416-013A	SPONGE	(x3)	
	138	LC33427-001A	SPONGE DUCT BTM		
	139	LC12568-001C	DUCT BOTTOM T		
	140	QYSBSG3008ZA	TAP SCREW	M3 x 8mm(x7)	
	141	LC41546-020A	GASKET		
	142	QYSBSG4010ZA	TAP SCREW	M4 x 10mm(x10)	
	143	LC41023-030C	SPONGE		
	144	LC32058-002A	FILTER INNER(F)		

⚠	Ref.No.	Part No.	Part Name	Description	Local
	145	LC33448-001A	BASE PLATE		
	146	LC42471-001A	PC SUPPORT	(x4)	
	147	LC42470-001A	DUMPER	(x4)	
	148	LC42383-002A	COLLAR	(x4)	
	149	LC41596-001A	BAND		
	150	QYSDSG3016ZA	TAP SCREW	M3 x 16mm(x4)	
	151	QYWWS32A008NA	WASHER	(x4)	
⚠	155	QAL0764-001	POWER UNIT ASSY		
	156	LC42421-001A	CUSHION DS		
	157	QYSBSGG3008ZA	TAP SCREW	M3 x 8mm(x4)	
	158	LC22035-001C	BALLAST CASE		
	159	QYSBSG3008ZA	TAP SCREW	M3 x 8mm(x7)	
	160	LC42358-001B	PLATE		
	161	LC41454-001A	DAMPER(FAN)	(x4)	
	162	LC41446-001B	NET		
⚠	163	QAR0395-001	FAN MOTOR		
	168	LC42355-001A	DUMPER	(x2)	
⚠	170	QAR0397-001	FAN MOTOR		
	171	LC42359-001A	LAMP FAN HOLDER		
	172	LC42417-001A	CUSHION ANA 1		
	173	LC42360-001A	LAMP FAN BRK		
	175	QYSDSP3004MA	SCREW	M3 x 4mm(x2)	
	176	QYSBSG3008ZA	TAP SCREW	M3 x 8mm	
	177	LC33345-001A	DUCT(LAMP)		
	178	LC33444-001A	DUCT PARTITION		
	180	QYSBSG3008ZA	TAP SCREW	M3 x 8mm(x2)	
	181	LC33416-023A	SPONGE		
	182	LC33416-024A	SPONGE		
⚠	183	QAR0394-001	FAN MOTOR		
	184	LC42355-001A	DUMPER	(x2)	
	185	LC42417-001A	CUSHION ANA 1		
	186	LC33331-001A	FAN HOLDER ANA		
	187	LC33416-020A	SPONGE		
	188	LC22036-001A	DUCT ANA		
	189	LC42466-001A	SPONGE		
	190	QYSBSG3008ZA	TAP SCREW	M3 x 8mm(x5)	
	191	LC32036-001C	DUCT 2 (POL)		
	192	LC33416-018A	SPONGE		
	193	QYSBSG3008ZA	TAP SCREW	M3 x 8mm(x4)	
	194	QYSBSG3008ZA	TAP SCREW	M3 x 8mm(x3)	
	195	LC33416-012A	SPONGE		
⚠	196	QAR0393-001	FAN MOTOR		
	197	LC33330-001A	FAN HOLDER		
	198	LC33416-006A	SPONGE		
	199	LC40113-002A	SPACER(CUSHION)	(x3)	
	200	LC41768-001A	SPECIAL SCREW	(x2)	
	201	LC41772-001A	SPECIAL SCREW	(x3)	
	202	LC33416-002A	SPONGE		
	203	LC33416-005A	SPONGE		
	204	QYSBSG4012ZA	TAP SCREW	M4 x 12mm(x3)	
	205	LC41772-001A	SPECIAL SCREW	(x2)	
	207	LC11437-002A	SHIELD CASE		
⚠	209	LC32031-001A	PC PLATE 1(PS)		
	210	LC42463-001A	SHEILD CASE S 1		
	211	LC42464-001A	SHEILD CASE S 2		
	212	QYSBSG3008ZA	TAP SCREW	M3 x 8mm(x4)	
	213	QZW0050-001	EDGING	(x2)	
	214	QYSPSPD3030ZA	SCREW	M3 x 30mm(x2)	
	215	LC21112-002A	SHIELD COVER		
	217	QYSDSP3006NA	SCREW	M3 x 6mm(x5)	
⚠	221	QAR0396-001	FAN MOTOR		
	225	LC12570-001B	DUCT EXT1 T		
	226	LC12571-001B	DUCT EXT1 B		
	227	QYSBSG3008ZA	TAP SCREW	M3 x 8mm(x4)	
⚠	228	QAR0398-001	COOLING FAN		
	229	LC12572-001A	DUCT EXT2 T		
	230	LC12573-001A	DUCT EXT2 B		
	231	LC41454-001A	DAMPER(FAN)	(x4)	
	232	QYSBSG3008ZA	TAP SCREW	M3 x 8mm(x5)	
	233	QYSBSG4010ZA	TAP SCREW	M4 x 10mm(x6)	
	234	LC32001-001B	DUCT(LAMP1)		
	236	QYSBSG3008ZA	TAP SCREW	M3 x 8mm(x2)	
	238	QYSBSG3008ZA	TAP SCREW	M3 x 8mm(x7)	
	246	LC42381-001B	SHADING PLATE		
	247	QYSBSG3008ZA	TAP SCREW	M3 x 8mm(x6)	
⚠	248	QMR0009-001	TH PROTECTOR		
	249	QYSDSP3006NA	SCREW	M3 x 6mm(x2)	
⚠	300	BHL5008-S	LAMP UNIT		
⚠	350	HD10KOP-S	OP BLOCL ASSY		HD10KU,HD10KE
⚠	350	HD10KSOP-S	OP BLOCL ASSY		HD10KSU,HD10KSE
⚠	360	QAR0256-001	COOLING FAN		
	362	QYSPSP4020ZA	SCREW	M4 x 20mm(x2)	
	363	LC32063-001C	DUCT(PCS)		
	364	QYSDSP3006NA	SCREW	M3 x 6mm(x2)	
	365	LC41379-001A	PLATE (PCS)		
	366	QUQL05-2003BA-E	FFC WIRE		
	370	QYSDSP3006NA	SCREW	M3 x 6mm(x5)	
	WR 1	QUQL05-2407BA-E	FFC WIRE	24pin 7cm(x3)	
	WR 2	QJJ015-080613-E	SIN CR C-C WIRE		
	WR 3	WJJ0449-001A-E	E-SI C WIRE C-C		
	WR 4	QJJ015-142614-E	SIN CR C-C WIRE		
	WR 5	QJJ015-112611-E	SIN CR C-C WIRE		
	WR 6	WJJ0685-001A-E	E-SI C WIRE C-C		

⚠	Ref.No.	Part No.	Part Name	Description	Local
	WR 7	WJM0458-001A-E	E-SI C WIRE C-F		
	WR 8	WJM0459-001A-E	E-SI C WIRE C-F		
	WR 9	WJJ0686-001A-E	E-SI C WIRE C-C		
	WR10	QJJ057-024212-E	SIN CR C-C WIRE	SW PWB	
	WR11	QJJ057-031013-E	SIN CR C-C WIRE	IR1 PWB	
	WR12	QJJ057-053610-E	SIN CR C-C WIRE	OPERATION PWB	
	WR13	QJJ057-045224-E	SIN CR C-C WIRE	IR2 PWB	
	WR14	QJJ039-082223-E	SIN CR C-C WIRE	LED PWB	

EXPLODED VIEW -1




56
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OPERATION PWB
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83
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66
81
59
SWITCH PWB
194
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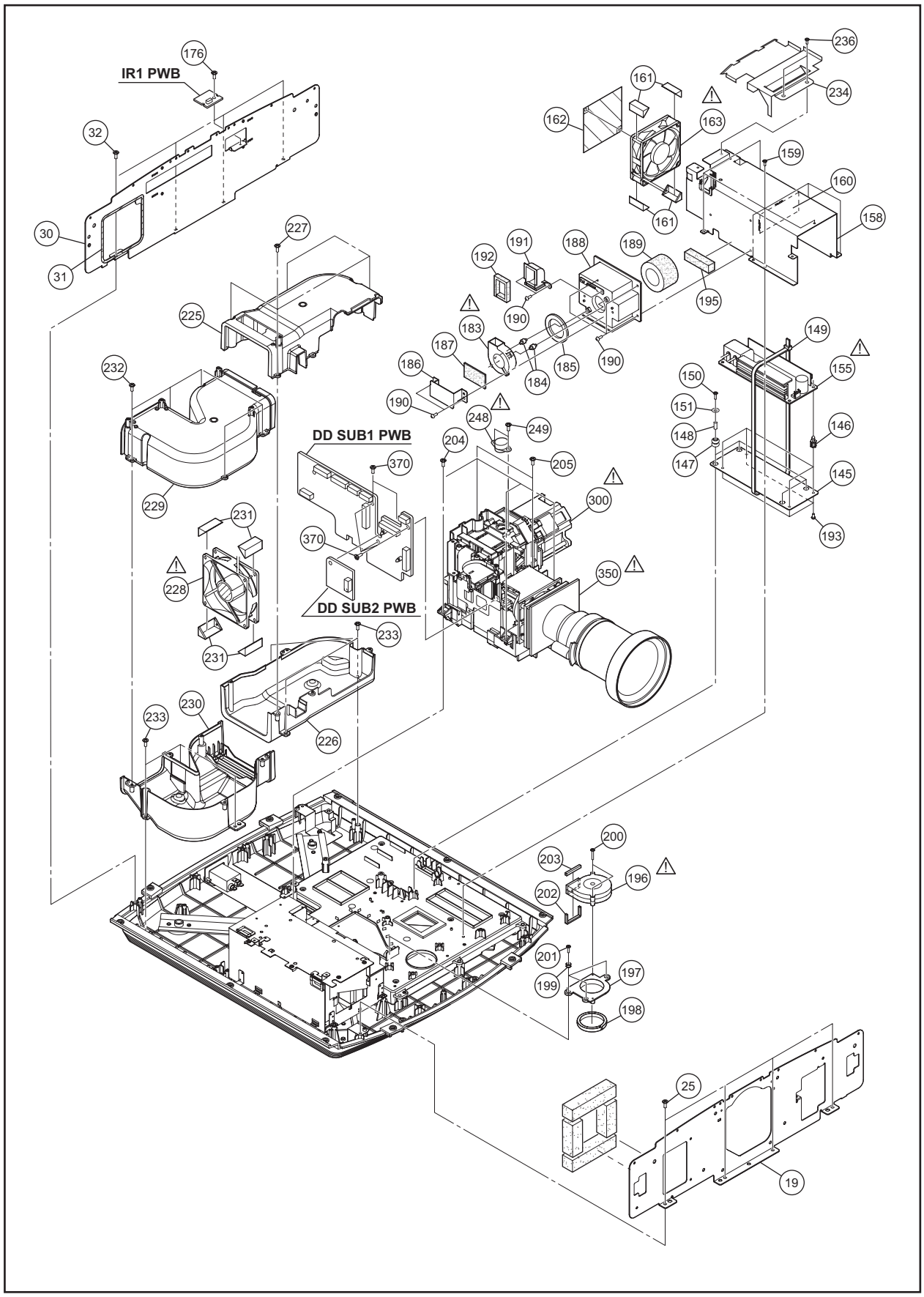
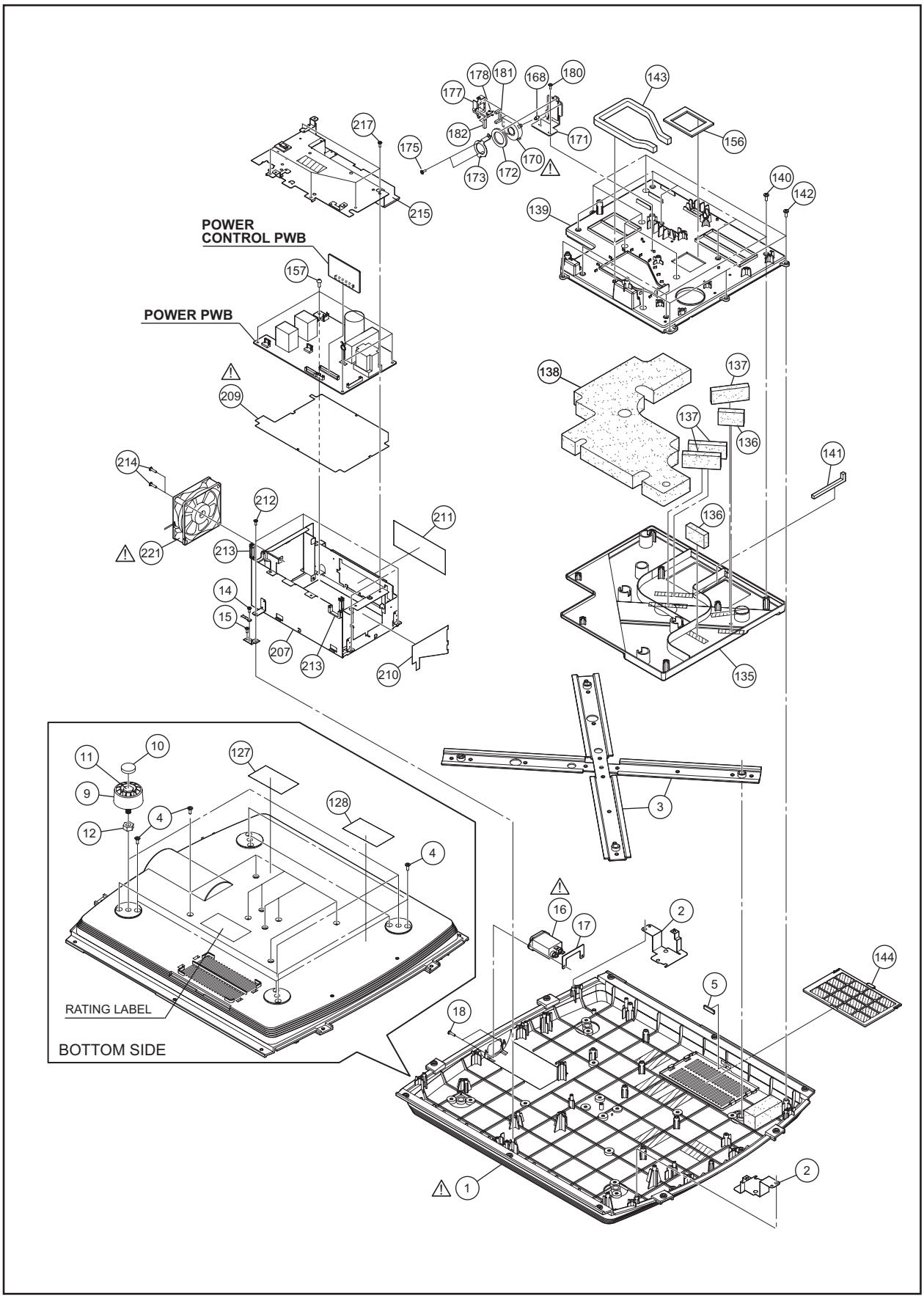
90
100

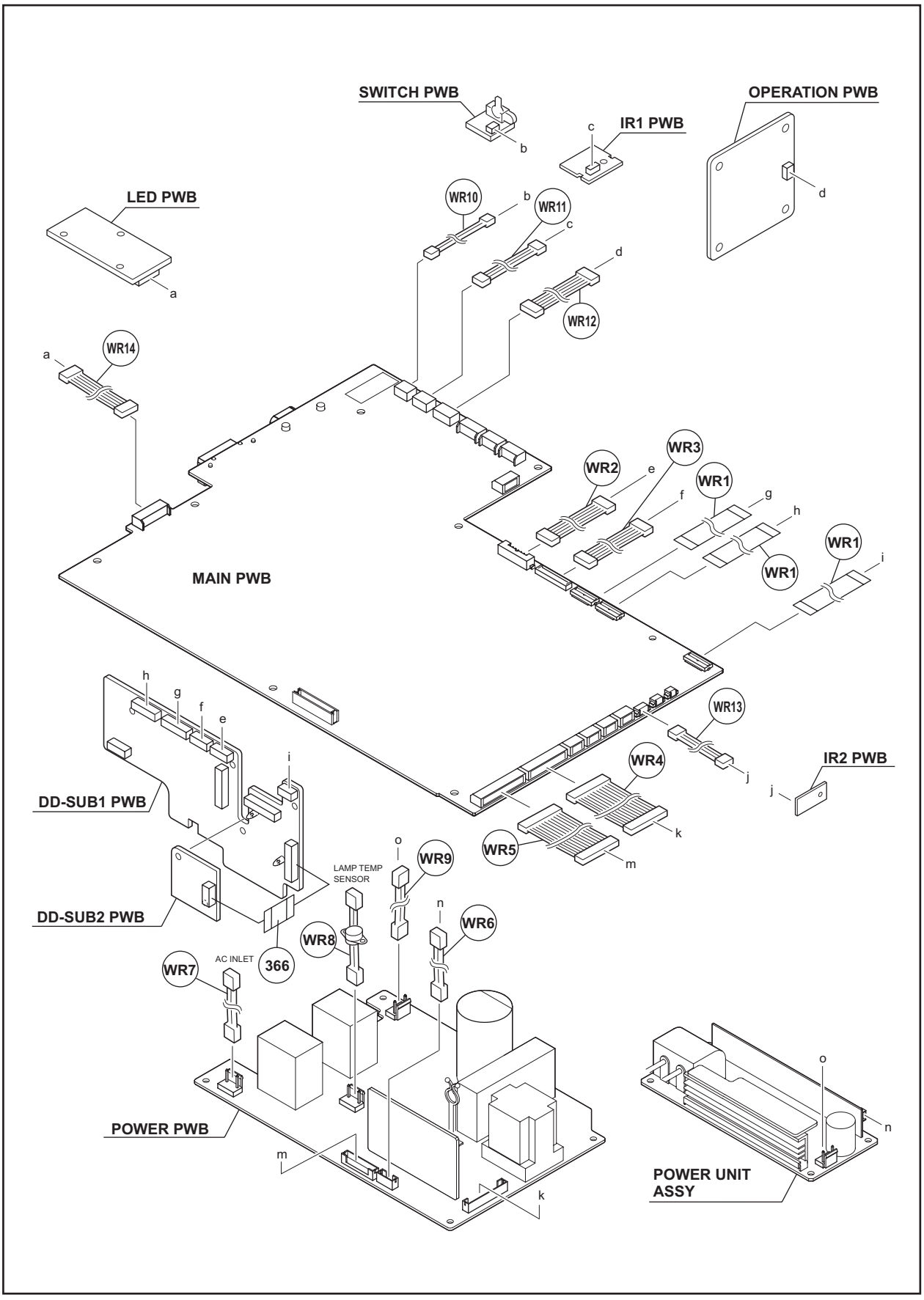
EXPLODED VIEW -2



EXPLODED VIEW -3



EXPLODED VIEW -4



PRINTED WIRING BOARD PARTS LIST

MAIN P.W. BOARD ASS'Y (LCA10610-01D)

⚠Ref No.	Part No.	Part Name	Description	Local
IC1103	BA8274F-X	IC		
IC1104	24LCS22A-I/SN-X	IC		
IC1105	TC74HC4066AFT-X	IC(DIGITAL)		
IC1107	BA33BC0FP-X	IC		
IC1108	BA33BC0FP-X	IC		
IC1111	ISPCLK5610TN481	IC		
IC1112	TC74VCX541FT-X	IC		
IC1113	TC7SU04FU-X	IC(DIGITAL)		
IC1115	TC7S00F-X	IC		
IC2000	PW365B-20UL	IC		
IC2001	BA25BC0FP-X	IC		
IC2002	MBV800TE90TNB02	IC(MICRO C ROM)		
IC2003	BR24L16F-W-X	IC		
IC2004	HD74HC32FP-X	IC		
IC2005	DS1708SESA-F-X	IC		
IC2006	TC74HC4053AFT-X	IC(DIGITAL)		
IC2007	TC74HC4053AFT-X	IC(DIGITAL)		
IC2008	TC7W32F-X	IC(DIGITAL)		
IC2009	TC74VHC541FT-X	IC		
IC3000	EP2C20F484C7N	IC		
IC3001	EDD1232AABH-6B	IC		
IC3002	EDD1232AABH-6B	IC		
IC3003	EPCS16SI16N01	IC		
IC3004	SC4215STRT-X	IC		
IC3005	SC4215STRT-X	IC		
IC3006	SC4215STRT-X	IC		
IC3007	SC2595STRT-X	IC		
IC3008	EP2C20F484C7N	IC		
IC3009	EDD1232AABH-6B	IC		
IC3010	EDD1232AABH-6B	IC		
IC3011	SC4215STRT-X	IC		
IC3012	SC4215STRT-X	IC		
IC3013	SC4215STRT-X	IC		
IC3014	SC2595STRT-X	IC		
IC3015	EP2C20F484C7N	IC		
IC3016	EDD1232AABH-6B	IC		
IC3017	EDD1232AABH-6B	IC		
IC3018	SC4215STRT-X	IC		
IC3019	SC4215STRT-X	IC		
IC3020	SC4215STRT-X	IC		
IC3021	SC2595STRT-X	IC		
IC3022	SC2595STRT-X	IC		
IC3023	SC2595STRT-X	IC		
IC3024	SC2595STRT-X	IC		
IC4000	EPM570T144C5N	IC		
IC4001	DS1023S25-X	IC		
IC4002	DS1023S25-X	IC		
IC4003	DS1023S25-X	IC		
IC4004	TC74VCX541FT-X	IC		
IC4005	TC74VHC541FT-X	IC		
IC4006	TC74VHC541FT-X	IC		
IC4007	TC74VHC541FT-X	IC		
IC4008	TC74VHC541FT-X	IC		
IC4009	TC74VHC541FT-X	IC		
IC4010	NAX0432-001X	XCO	40.000MHz	
IC4011	TC74VCX541FT-X	IC		
IC4013	NAX0532-001X	CXO	74.250MHz	
IC5000	JCC5053-2	IC		
IC5001	JCC5053-2	IC		
IC5002	BA25BC0FP-X	IC		
IC5003	BA25BC0FP-X	IC		
IC5004	LM385M-1.2E-X	IC		
IC5005	JCC5053-2	IC		
IC5006	JCC5053-2	IC		
IC5007	BA25BC0FP-X	IC		
IC5008	BA25BC0FP-X	IC		
IC5009	LM385M-1.2E-X	IC		
IC5010	JCC5053-2	IC		
IC5011	JCC5053-2	IC		
IC5012	BA25BC0FP-X	IC		
IC5013	BA25BC0FP-X	IC		
IC5014	LM385M-1.2E-X	IC		
IC7000	TC74VHC574FT-X	IC(DIGITAL)		
IC7001	TC74VHC574FT-X	IC(DIGITAL)		
IC7002	TC74VHC574FT-X	IC(DIGITAL)		
IC7003	TC74VHC541FT-X	IC		
IC7004	BA6417F-X	IC		
IC7005	BA6417F-X	IC		
IC7006	TC74VHC541FT-X	IC		
IC7007	TCN75-5.0MOA-X	IC		
IC7008	TCN75-5.0MOA-X	IC		
IC7009	TC4W66F-X	IC		
IC7010	TC4W66F-X	IC		
IC7011	TC7SET04FU-X	IC(DIGITAL)		
IC7012	TC7SET32F-X	IC(DIGITAL)		
IC7013	TC7S08F-X	IC(DIGITAL)		
IC7014	TC7S08F-X	IC(DIGITAL)		
IC7015	TC7S08F-X	IC(DIGITAL)		
IC7016	TC7SET32F-X	IC(DIGITAL)		
IC7017	TC7SET32F-X	IC(DIGITAL)		
IC7018	S-80840CLNB-G-W	IC		
IC7019	TC7SET32F-X	IC(DIGITAL)		
IC7021	BA8274F-X	IC		
IC7022	BA8274F-X	IC		
IC7024	24LC512-I/SMG-X	IC(MICRO C ROM)		
IC7025	TC7SET32F-X	IC(DIGITAL)		
IC7026	M62392FP-X	IC		
IC7027	BA00BC0WFP-X	IC(DIGITAL)		
IC7028	TC74HC4053AFT-X	IC(DIGITAL)		
IC7029	TC74HC4053AFT-X	IC(DIGITAL)		
IC7030	TC74HC4053AFT-X	IC(DIGITAL)		
IC7031	TC74HC4053AFT-X	IC(DIGITAL)		
IC7032	LP3964ES-ADJE-W	IC		
IC7033	LM2991S-W	IC		
IC7034	BA05FP-X	IC		
IC7035	MAX232ACSE-X	IC		
IC7036	BA05FP-X	IC		
IC7037	BA05FP-X	IC		
IC7038	BA05FP-X	IC		
IC7039	TC7SET32F-X	IC(DIGITAL)		
Q1101	UN2113-X	TRANSISTOR		
Q1102	UN2213-X	DIGI TRANSISTOR		
Q1103	2SK1374-X	MOS FET		
Q1104	2SK1374-X	MOS FET		
Q1107	2SK1374-X	MOS FET		
Q1108	2SK1374-X	MOS FET		
Q1111	2SA1037AK/QR/-X	TRANSISTOR		
Q1112	2SC2412K/QR/-X	TRANSISTOR		
Q2000	2SA1037AK/QR/-X	TRANSISTOR		
Q2001	2SC2412K/QR/-X	TRANSISTOR		
Q2002	UN2211-X	TRANSISTOR		
Q3002	2SC2412K/QR/-X	TRANSISTOR		
Q3003	2SC2412K/QR/-X	TRANSISTOR		
Q3004	2SC2412K/QR/-X	TRANSISTOR		
Q3005	2SC2412K/QR/-X	TRANSISTOR		
Q3006	2SC2412K/QR/-X	TRANSISTOR		
Q7000	2SK1374-X	MOS FET		
Q7001	2SK1374-X	MOS FET		
Q7003	2SC2412K/QR/-X	TRANSISTOR		
Q7004	2SK1374-X	MOS FET		
Q7005	2SK1374-X	MOS FET		
Q7006	DTC124EKA-X	DIGI TRANSISTOR		
Q7009	2SC2412K/QR/-X	TRANSISTOR		
Q7010	2SC2412K/QR/-X	TRANSISTOR		
Q7011	2SC2412K/QR/-X	TRANSISTOR		
Q7012	DTC124EKA-X	DIGI TRANSISTOR		
D1101	NAF0013-001X	ESD SUPPRESSOR		
D1102	NAF0013-001X	ESD SUPPRESSOR		
D1103	NAF0013-001X	ESD SUPPRESSOR		
D1104	NAF0013-001X	ESD SUPPRESSOR		
D1105	NAF0013-001X	ESD SUPPRESSOR		
D1106	NAF0013-001X	ESD SUPPRESSOR		
D1107	NAF0013-001X	ESD SUPPRESSOR		
D1108	NAF0013-001X	ESD SUPPRESSOR		
D1111	MAZC062D-W	Z DIODE		
D1112	MAZC062D-W	Z DIODE		
D1113	MAZC062D-W	Z DIODE		
D1114	MAZC062D-W	Z DIODE		
D1118	RB161L-40-X	SB DIODE		
D1119	RB161L-40-X	SB DIODE		
D1121	SML-210VT-X	LED		
D1123	SML-210VT-X	LED		
D1124	MA111-X	SI DIODE		
D3002	SML-210VT-X	LED		
D3003	SML-210VT-X	LED		
D3004	SML-210VT-X	LED		
D3005	SML-210VT-X	LED		
D3006	SML-210VT-X	LED		
D7000	MA111-X	SI DIODE		
D7001	MA111-X	SI DIODE		
D7002	MAZC062D-W	Z DIODE		
D7003	MAZC062D-W	Z DIODE		
D7004	MAZC062D-W	Z DIODE		
D7005	MA3056/M/-X	Z DIODE		
D7006	MA111-X	SI DIODE		
D7007	MA111-X	SI DIODE		
D7008	MA111-X	SI DIODE		
D7009	MA111-X	SI DIODE		
D7010	MA111-X	SI DIODE		
D7011	1SR154-400-X	DIODE		

⚠Ref No.	Part No.	Part Name	Description Local
D7012	1SR154-400-X	DIODE	
D7013	MAZC062D-W	Z DIODE	
D7014	MAZC062D-W	Z DIODE	
D7017	MA111-X	SI DIODE	
D7018	MA111-X	SI DIODE	
D7019	MA111-X	SI DIODE	
D7020	MA111-X	SI DIODE	
D7022	MA111-X	SI DIODE	
D7023	MA111-X	SI DIODE	
D7024	MA111-X	SI DIODE	
D7025	MAZC062D-W	Z DIODE	
D7026	MAZC062D-W	Z DIODE	
C1105	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1106	NEHL1CM-106X	E CAPACITOR	10uF 16V M
C1107	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1108	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1110	NEHL1CM-106X	E CAPACITOR	10uF 16V M
C1111	NEHL0JM-226X	E CAPACITOR	22uF 6.3V M
C1112	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
C1113	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
C1114	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
C1115	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
C1116	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1117	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1118	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1119	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1121	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1122	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1123	NEHL1CM-476X	E CAPACITOR	47uF 16V M
C1124	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1125	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1126	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1127	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1128	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1129	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1131	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1132	NEHL1AM-107X	E CAPACITOR	100uF 10V M
C1133	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1134	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1135	NBZ0008-107X	SP E CAPACITOR	100uF 6.3V M
C1136	NEHL1AM-107X	E CAPACITOR	100uF 10V M
C1137	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1138	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1139	NEHL0JM-226X	E CAPACITOR	22uF 6.3V M
C1141	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1142	NEHL1CM-106X	E CAPACITOR	10uF 16V M
C1143	NEHL1CM-476X	E CAPACITOR	47uF 16V M
C1144	NEHL1CM-476X	E CAPACITOR	47uF 16V M
C1145	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1146	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1147	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1148	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1149	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1150	NDC31HJ-221X	C CAPACITOR	220pF 50V J
C1151	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1152	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1153	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1154	NDC31HJ-221X	C CAPACITOR	220pF 50V J
C1155	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1156	NEHL1CM-476X	E CAPACITOR	47uF 16V M
C1157	NDC31HJ-221X	C CAPACITOR	220pF 50V J
C1158	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1161	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1162	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C1171	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C1172	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2000	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2001	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2002	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2003	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2004	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2005	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2006	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2007	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2008	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2009	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2010	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2011	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2012	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2013	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2014	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2015	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2016	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2017	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2018	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2019	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2020	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2021	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2022	NCB31HK-104X	C CAPACITOR	0.1uF 50V K

⚠Ref No.	Part No.	Part Name	Description Local
C2023	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2024	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2025	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2026	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2027	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2028	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2029	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2030	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2031	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2032	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2033	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2034	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2035	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2036	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2037	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2038	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2039	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2040	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2041	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2042	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2043	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2044	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2045	NEHL1CM-476X	E CAPACITOR	47uF 16V M
C2046	NEHL1CM-476X	E CAPACITOR	47uF 16V M
C2047	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2048	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2049	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2050	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2051	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2052	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2053	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2054	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2055	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2056	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2057	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2058	NDC31HJ-150X	C CAPACITOR	15pF 50V J
C2059	NDC31HJ-150X	C CAPACITOR	15pF 50V J
C2060	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2061	NEHL1CM-476X	E CAPACITOR	47uF 16V M
C2062	NEHL1AM-107X	E CAPACITOR	100uF 10V M
C2063	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2064	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2065	NEHL0JM-226X	E CAPACITOR	22uF 6.3V M
C2066	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2067	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2068	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2069	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2070	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2071	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2072	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C2073	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C4000	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C4001	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C4002	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C4003	NEHL1CM-106X	E CAPACITOR	10uF 16V M
C4004	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C4006	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C4007	NEHL1CM-106X	E CAPACITOR	10uF 16V M
C4008	NEHL1CM-106X	E CAPACITOR	10uF 16V M
C4009	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C4010	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C4011	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C4012	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C4013	NEHL1CM-106X	E CAPACITOR	10uF 16V M
C4014	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C4015	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C4016	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C4017	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C4018	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C4019	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C4020	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C4021	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C4022	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C4023	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C4024	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C4025	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C4026	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
C4027	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C4028	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C4029	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C4030	NDC31HJ-221X	C CAPACITOR	220pF 50V J
C4031	NDC31HJ-221X	C CAPACITOR	220pF 50V J
C4032	NDC31HJ-221X	C CAPACITOR	220pF 50V J
C4033	NDC31HJ-221X	C CAPACITOR	220pF 50V J
C4034	NDC31HJ-221X	C CAPACITOR	220pF 50V J
C4035	NDC31HJ-102X	C CAPACITOR	1000pF 50V J
C4036	NDC31HJ-102X	C CAPACITOR	1000pF 50V J
C4037	NDC31HJ-102X	C CAPACITOR	1000pF 50V J
C4038	NDC31HJ-102X	C CAPACITOR	1000pF 50V J
C4039	NDC31HJ-102X	C CAPACITOR	1000pF 50V J

⚠Ref No.	Part No.	Part Name	Description	Local
C4040	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C4041	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C4042	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C4043	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C7000	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7001	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7002	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7003	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7004	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C7005	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7006	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7007	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7008	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C7009	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7010	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7011	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7012	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7013	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7014	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7016	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7017	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7018	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7019	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7020	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7021	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7022	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7023	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7024	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7025	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7026	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7027	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7028	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7030	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7031	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7032	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7034	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7035	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C7036	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M	
C7037	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7038	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7039	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7040	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7041	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7042	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7043	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7044	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7045	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7046	NEHL1EM-336X	E CAPACITOR	33uF 25V M	
C7047	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7048	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7049	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7050	NEHL1EM-336X	E CAPACITOR	33uF 25V M	
C7051	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C7052	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7053	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7054	NEHL1AM-107X	E CAPACITOR	100uF 10V M	
C7055	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7056	NEHL1AM-107X	E CAPACITOR	100uF 10V M	
C7057	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7058	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7059	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C7060	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7061	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7062	NEHL1EM-336X	E CAPACITOR	33uF 25V M	
C7063	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C7064	NBZ0008-107X	SP E CAPACITOR	100uF 6.3V M	
C7065	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7066	NBZ0008-107X	SP E CAPACITOR	100uF 6.3V M	
C7067	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7068	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7069	NEHL1AM-107X	E CAPACITOR	100uF 10V M	
C7071	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C7072	NEHL1AM-107X	E CAPACITOR	100uF 10V M	
C7073	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7074	NEHL1AM-107X	E CAPACITOR	100uF 10V M	
C7075	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7076	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7077	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C7078	NEHL1AM-107X	E CAPACITOR	100uF 10V M	
C7079	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7080	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7081	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C7082	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C7083	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7084	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7085	NEHL1AM-107X	E CAPACITOR	100uF 10V M	
C7086	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7087	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7088	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7089	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7090	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7091	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7092	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C7093	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C7094	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7103	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C7106	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C7108	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C7114	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C7116	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C7117	NDC31HJ-681X	C CAPACITOR	680pF 50V J	
C7129	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M	
C7130	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M	
C7131	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7133	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
C7134	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
CB3000	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3001	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3002	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3003	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3004	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3005	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3006	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3007	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3008	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3009	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3010	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3011	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3012	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3013	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3014	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3015	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3016	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3017	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3018	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3019	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3020	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3021	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3022	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3023	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3024	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3025	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3026	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3027	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3028	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3029	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3030	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3031	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3032	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3033	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3034	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3035	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3036	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3037	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3038	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3039	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3040	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3041	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3042	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3043	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3044	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3045	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3046	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3047	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3048	NBZ0008-107X	SP E CAPACITOR	100uF 6.3V M	
CB3049	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3050	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3051	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3052	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3053	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3054	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3055	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3056	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3057	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3058	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3059	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3060	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3061	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3062	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3063	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3064	NBZ0008-107X	SP E CAPACITOR	100uF 6.3V M	
CB3065	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3066	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3067	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3068	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3069	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3070	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3071	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3072	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3073	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	

⚠Ref No.	Part No.	Part Name	Description	Local
CB3074	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3075	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3076	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3077	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3078	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3079	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3080	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
CB3081	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M	
CB3082	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3083	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M	
CB3084	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3085	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M	
CB3086	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3087	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M	
CB3088	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3089	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M	
CB3090	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3091	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M	
CB3092	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3093	NBZ0008-107X	SP E CAPACITOR	100uF 6.3V M	
CB3094	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
CB3095	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3096	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
CB3097	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M	
CB3098	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3099	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3100	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3101	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3102	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3103	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3104	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3105	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3106	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3107	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3108	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3109	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3110	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3111	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3112	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3113	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3114	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3115	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3116	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3117	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3118	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3119	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3120	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3121	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3122	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3123	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3124	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3125	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3126	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3127	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3128	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3129	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3130	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3131	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3132	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3133	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3134	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3135	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3136	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3137	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3138	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3139	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M	
CB3140	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3141	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3142	NCF21CZ-225X	C CAPACITOR	2.2uF 16V Z	
CB3143	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
CB3144	NBZ0008-107X	SP E CAPACITOR	100uF 6.3V M	
CB3145	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
CB3146	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3147	NCF21CZ-225X	C CAPACITOR	2.2uF 16V Z	
CB3148	NCB10JK-106X	C CAPACITOR	10uF 6.3V K	
CB3149	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M	
CB3150	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3151	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3152	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3153	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3154	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3155	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3156	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3157	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3158	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3159	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3160	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3161	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3162	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3163	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3164	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3165	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3166	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3167	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3168	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3171	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3172	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB3175	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M	
CB3176	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M	
CB3179	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M	
CB3180	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M	
CB3181	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
CB3182	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M	
CB3183	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
CB3184	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
CB3185	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
CB5000	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5001	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5002	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5003	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5004	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5005	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5006	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5007	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5008	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5009	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5010	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5011	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5012	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5013	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5014	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5015	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5016	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5017	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5018	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5019	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5020	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5021	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5022	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5023	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5024	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5025	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5026	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5027	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5028	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5029	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5030	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5031	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5032	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5033	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5034	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5035	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5036	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5037	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5038	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5039	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5040	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5041	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5042	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5043	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5044	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5045	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5046	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5047	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5048	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5049	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5050	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5051	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5052	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5053	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5054	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5055	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5056	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5057	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5058	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5059	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5060	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5061	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5062	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5063	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5064	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5065	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5066	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5067	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5068	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5069	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5070	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5071	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5072	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB5073	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	

⚠Ref No.	Part No.	Part Name	Description Local
CB5074	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CB5075	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CB5076	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CB5077	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CB5078	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CB5079	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CB5080	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CB5081	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CB5082	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
CB5083	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
CB5084	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CB5085	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CB5086	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
CB5087	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
CB5088	NBP41CM-106X	TA E CAPACITOR	10uF 16V M
CB5089	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CB5090	NEHL1CM-106X	E CAPACITOR	10uF 16V M
CG3000	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3001	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3002	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3003	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3004	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3005	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3006	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3007	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3008	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3009	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3010	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3011	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3012	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3013	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3014	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3015	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3016	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3017	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3018	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3019	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3020	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3021	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3022	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3023	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3024	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3025	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3026	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3027	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3028	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3029	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3030	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3031	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3032	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3033	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3034	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3035	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3036	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3037	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3038	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3039	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3040	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3041	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3042	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3043	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3044	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3045	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3046	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3047	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3048	NBZ0008-107X	SP E CAPACITOR	100uF 6.3V M
CG3049	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3050	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3051	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3052	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3053	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3054	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3055	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3056	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3057	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3058	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3059	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3060	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3061	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3062	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3063	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3064	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3065	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3066	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3067	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3068	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3069	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3070	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3071	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3072	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3073	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3074	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3075	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3076	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3077	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3078	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3079	NCF21CZ-225X	C CAPACITOR	2.2uF 16V Z
CG3080	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
CG3081	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3082	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
CG3083	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3084	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
CG3085	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3086	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
CG3087	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3088	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
CG3089	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3090	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
CG3091	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3092	NBZ0008-107X	SP E CAPACITOR	100uF 6.3V M
CG3093	NCB10JK-106X	C CAPACITOR	10uF 6.3V K
CG3094	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3095	NCB10JK-106X	C CAPACITOR	10uF 6.3V K
CG3096	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
CG3097	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3098	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3099	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3100	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3101	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3102	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3103	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3104	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3105	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3106	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3107	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3108	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3109	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3110	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3111	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3112	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3113	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3114	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3115	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3116	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3117	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3118	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3119	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3120	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3121	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3122	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3123	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3124	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3125	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3126	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3127	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3128	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3129	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3130	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3131	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3132	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3133	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3134	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3135	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3136	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3137	NBZ0008-107X	SP E CAPACITOR	100uF 6.3V M
CG3138	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3139	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
CG3140	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3141	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3142	NCB10JK-106X	C CAPACITOR	10uF 6.3V K
CG3143	NBZ0008-107X	SP E CAPACITOR	100uF 6.3V M
CG3144	NCB10JK-106X	C CAPACITOR	10uF 6.3V K
CG3145	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3146	NCF21CZ-225X	C CAPACITOR	2.2uF 16V Z
CG3147	NCB10JK-106X	C CAPACITOR	10uF 6.3V K
CG3148	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
CG3149	NCB10JK-106X	C CAPACITOR	10uF 6.3V K
CG3150	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3151	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3152	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3153	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3154	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3155	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3156	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3157	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3158	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3159	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3160	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3161	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3162	NCB31HK-104X	C CAPACITOR	0.1uF 50V K

⚠Ref No.	Part No.	Part Name	Description Local
CG3163	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3164	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3165	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3166	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3167	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3168	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3171	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3172	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG3175	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
CG3176	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
CG3179	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
CG3180	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
CG3181	NDC31HJ-102X	C CAPACITOR	1000pF 50V J
CG3182	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
CG3183	NDC31HJ-102X	C CAPACITOR	1000pF 50V J
CG3184	NDC31HJ-102X	C CAPACITOR	1000pF 50V J
CG3185	NDC31HJ-102X	C CAPACITOR	1000pF 50V J
CG5000	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5001	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5002	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5003	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5004	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5005	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5006	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5007	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5008	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5009	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5010	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5011	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5012	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5013	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5014	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5015	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5016	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5017	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5018	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5019	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5020	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5021	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5022	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5023	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5024	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5025	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5026	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5027	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5028	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5029	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5030	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5031	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5032	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5033	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5034	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5035	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5036	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5037	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5038	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5039	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5040	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5041	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5042	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5043	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5044	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5045	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5046	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5047	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5048	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5049	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5050	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5051	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5052	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5053	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5054	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5055	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5056	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5057	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5058	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5059	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5060	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5061	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5062	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5063	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5064	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5065	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5066	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5067	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5068	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5069	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5070	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5071	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5072	NCB31HK-104X	C CAPACITOR	0.1uF 50V K

⚠Ref No.	Part No.	Part Name	Description Local
CG5073	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5074	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5075	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5076	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5077	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5078	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5079	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5080	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5081	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5082	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
CG5083	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
CG5084	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5085	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5086	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
CG5087	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
CG5088	NBP41CM-106X	TA E CAPACITOR	10uF 16V M
CG5089	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG5090	NBP41CM-106X	TA E CAPACITOR	10uF 16V M
CR3000	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3001	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3002	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3003	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3004	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3005	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3006	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3007	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3008	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3009	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3010	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3011	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3012	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3013	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3014	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3015	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3016	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3017	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3018	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3019	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3020	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3021	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3022	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3023	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3024	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3025	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3026	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3027	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3028	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3029	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3030	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3031	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3032	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3033	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3034	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3035	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3036	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3037	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3038	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3039	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3040	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3041	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3042	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3043	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3044	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3045	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3046	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3047	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3048	NBZ0008-107X	SP E CAPACITOR	100uF 6.3V M
CR3049	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3050	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3051	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3052	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3053	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3054	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3055	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3056	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3057	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3058	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3059	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3060	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3061	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3062	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3063	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3064	NBZ0008-107X	SP E CAPACITOR	100uF 6.3V M
CR3065	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3066	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3067	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3068	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3069	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3070	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3071	NCB31HK-104X	C CAPACITOR	0.1uF 50V K

⚠Ref No.	Part No.	Part Name	Description Local
CR3072	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3073	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3074	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3075	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3076	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3077	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3078	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3079	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3080	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3081	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
CR3082	NBZ0008-107X	SP E CAPACITOR	100uF 6.3V M
CR3083	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
CR3084	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3085	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
CR3086	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3087	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
CR3088	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3089	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
CR3090	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3091	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
CR3092	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3093	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
CR3094	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3095	NBZ0008-107X	SP E CAPACITOR	100uF 6.3V M
CR3096	NCB10JK-106X	C CAPACITOR	10uF 6.3V K
CR3097	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3098	NCB10JK-106X	C CAPACITOR	10uF 6.3V K
CR3099	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
CR3100	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3101	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3102	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3103	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3104	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3105	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3106	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3107	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3108	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3109	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3110	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3111	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3112	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3113	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3114	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3115	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3116	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3117	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3118	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3119	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3120	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3121	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3122	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3123	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3124	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3125	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3126	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3127	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3128	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3129	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3130	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3131	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3132	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3133	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3134	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3135	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3136	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3137	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3138	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3139	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3140	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3141	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3142	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
CR3143	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3144	NCB10JK-106X	C CAPACITOR	10uF 6.3V K
CR3145	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3146	NCF21CZ-225X	C CAPACITOR	2.2uF 16V Z
CR3147	NCF21CZ-225X	C CAPACITOR	2.2uF 16V Z
CR3148	NCB10JK-106X	C CAPACITOR	10uF 6.3V K
CR3149	NCB10JK-106X	C CAPACITOR	10uF 6.3V K
CR3150	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
CR3151	NCB10JK-106X	C CAPACITOR	10uF 6.3V K
CR3152	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3153	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3154	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3155	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3156	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3157	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3158	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3159	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3160	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3161	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3162	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3163	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3164	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3165	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3166	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3167	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3168	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3169	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3170	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3173	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3174	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR3177	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
CR3178	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
CR3179	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
CR3180	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
CR3181	NDC31HJ-102X	C CAPACITOR	1000pF 50V J
CR3182	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
CR3183	NDC31HJ-102X	C CAPACITOR	1000pF 50V J
CR3184	NDC31HJ-102X	C CAPACITOR	1000pF 50V J
CR3185	NDC31HJ-102X	C CAPACITOR	1000pF 50V J
CR5000	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5001	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5002	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5003	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5004	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5005	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5006	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5007	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5008	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5009	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5010	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5011	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5012	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5013	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5014	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5015	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5016	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5017	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5018	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5019	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5020	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5021	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5022	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5023	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5024	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5025	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5026	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5027	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5028	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5029	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5030	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5031	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5032	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5033	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5034	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5035	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5036	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5037	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5038	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5039	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5040	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5041	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5042	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5043	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5044	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5045	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5046	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5047	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5048	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5049	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5050	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5051	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5052	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5053	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5054	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5055	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5056	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5057	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5058	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5059	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5060	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5061	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5062	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5063	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5064	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5065	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5066	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5067	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5068	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5069	NCB31HK-104X	C CAPACITOR	0.1uF 50V K

⚠Ref No.	Part No.	Part Name	Description Local
CR5070	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5071	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5072	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5073	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5074	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5075	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5076	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5077	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5078	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5079	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5080	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5081	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5082	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
CR5083	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
CR5084	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5085	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
CR5086	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5087	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
CR5088	NBP41CM-106X	TA E CAPACITOR	10uF 16V M
CR5089	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CR5090	NBP41CM-106X	TA E CAPACITOR	10uF 16V M
R1001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1004	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1007	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
R1008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1013	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1014	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
R1110	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1111	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1112	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R1114	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1115	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1119	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1121	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1122	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1123	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1124	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1125	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1126	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1127	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1128	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1129	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1132	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1136	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1137	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1139	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1140	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1141	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1144	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1148	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
R1151	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
R1152	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1153	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
R1154	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1155	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
R1156	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1157	NRSA63D-391X	MG RESISTOR	390Ω 1/16W D
R1161	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1162	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1163	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1164	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1165	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1166	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1167	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R1168	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R1170	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1171	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1172	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
R1173	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
R1174	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
R1175	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
R1176	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
R1179	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
R1184	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1185	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1186	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1191	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1192	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1193	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1194	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1195	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1196	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1205	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1206	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1207	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1208	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R2000	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4
R2001	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4
R2002	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4
R2003	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4
R2004	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4
R2005	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4
R2006	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R2007	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R2008	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R2009	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R2010	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R2011	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R2012	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R2013	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R2014	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R2015	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R2020	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R2021	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R2022	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R2023	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2024	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2025	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R2026	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2027	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2028	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R2029	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R2030	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R2031	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R2032	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R2033	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R2034	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R2035	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R2036	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2037	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2039	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R2040	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R2041	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2043	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2044	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2045	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2046	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2047	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2048	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2049	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2050	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2051	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2052	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2053	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2054	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R2055	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2056	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2057	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2058	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2059	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2061	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R2062	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R2063	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2065	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2066	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2067	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2068	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2071	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R2072	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4
R2073	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4
R2074	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4
R2075	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4
R2076	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4
R2077	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4
R2078	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4
R2079	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4
R2080	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4
R2081	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R2082	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2083	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R2084	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2085	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R2086	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R2087	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2088	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R2089	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R2092	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2093	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R2094	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R2095	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R2096	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R2097	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R2098	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R2099	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2100	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R2101	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J

⚠Ref No.	Part No.	Part Name	Description	Local
R2102	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2103	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2104	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R2105	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2106	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2107	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R2108	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R2109	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2110	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2111	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2112	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2113	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2114	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2115	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2116	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2118	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2119	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2120	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2124	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2138	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4006	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R4007	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R4008	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R4009	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R4010	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R4011	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4012	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R4017	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4018	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R4019	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R4020	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R4021	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R4022	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R4023	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R4024	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R4025	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R4026	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R4030	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R4031	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R4032	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R4033	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R4034	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R4035	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R4036	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R4037	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R4038	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R4039	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R4040	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R4041	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R4042	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R4043	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R4044	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R4045	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R4046	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R4047	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R4048	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R4049	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R4050	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R4051	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R4052	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4053	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4054	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4055	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4056	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4057	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4058	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4059	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4060	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4061	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4062	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4063	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4064	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4068	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4070	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4071	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4072	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4073	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4074	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4075	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4076	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4077	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4078	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4079	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4080	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4081	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4082	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4083	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4084	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4085	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4086	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4087	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4088	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4089	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4090	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4091	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4092	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4093	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4094	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4095	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4096	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4097	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4098	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4099	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4100	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4101	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4102	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4103	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4104	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4105	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4106	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4107	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4108	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4110	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4111	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4112	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4113	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4114	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4115	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4116	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4117	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4118	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4119	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4120	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4121	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4122	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4123	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4124	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4125	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4126	NRZ0080-0R0X	NET RESISTOR	0Ω 1/16W J	
R4132	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4133	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4134	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4135	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4136	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R4137	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7000	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7003	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7004	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7005	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7006	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7007	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7008	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7009	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7010	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7011	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7012	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7013	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7014	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7016	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7018	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7019	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R7020	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R7021	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R7022	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R7023	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R7024	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R7025	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R7026	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R7027	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7028	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7029	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7030	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R7031	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R7032	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7033	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7034	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7035	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7036	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7037	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7038	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7039	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R7040	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7041	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7042	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7044	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R7045	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R7047	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7048	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R7049	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description Local
R7050	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7051	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R7052	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R7053	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7054	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7056	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7057	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7058	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J x4
R7059	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7060	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7061	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7063	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
R7064	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
R7065	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7066	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7067	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7068	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7070	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7071	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7072	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7073	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7074	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7075	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7076	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7077	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7078	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7082	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7083	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J x4
R7084	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7085	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7086	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7087	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7089	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7090	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7091	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7092	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7093	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7094	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7095	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7096	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7097	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7098	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J x4
R7099	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7100	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7101	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7102	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7103	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7104	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7105	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7106	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7107	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
R7108	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J x4
R7109	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R7110	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7111	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7112	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7113	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7114	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7115	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7116	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7117	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7118	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7119	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7120	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7121	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7122	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7123	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7124	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7125	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7126	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7127	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7128	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7129	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7130	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7131	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7132	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7133	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7134	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7135	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7136	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7139	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7140	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7141	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R7142	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7143	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7144	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7145	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7146	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7147	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R7148	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7149	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7150	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7151	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7152	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7153	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7154	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7155	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7156	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7157	NRZ0034-101W	NET RESISTOR	100Ω 1/32W J x4
R7158	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7159	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7160	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R7164	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7165	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R7166	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R7167	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J
R7168	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R7169	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7170	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7171	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R7172	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7173	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7174	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7175	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7176	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R7177	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R7178	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7179	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7180	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7181	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7182	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R7183	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R7184	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R7185	NRS12BJ-122W	MG RESISTOR	1.2kΩ 1/2W J
R7186	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R7187	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R7188	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7189	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7190	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7191	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R7192	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7196	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7197	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7198	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7199	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7200	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7201	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7202	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7203	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7204	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7205	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7206	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R7207	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7209	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7210	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7211	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7212	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7219	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7220	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7221	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
R7222	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
R7223	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7224	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7225	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7226	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7227	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R7238	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R9019	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R9020	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R9021	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R9022	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R9023	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R9024	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
RA1101	NRZ0040-100X	NET RESISTOR	10Ω 1/16W J x4
RA1102	NRZ0040-100X	NET RESISTOR	10Ω 1/16W J x4
RA1103	NRZ0040-100X	NET RESISTOR	10Ω 1/16W J x4
RA1104	NRZ0040-100X	NET RESISTOR	10Ω 1/16W J x4
RA1105	NRZ0040-100X	NET RESISTOR	10Ω 1/16W J x4
RA1106	NRZ0040-100X	NET RESISTOR	10Ω 1/16W J x4
RA1107	NRZ0040-100X	NET RESISTOR	10Ω 1/16W J x4
RA1108	NRZ0040-100X	NET RESISTOR	10Ω 1/16W J x4
RA1109	NRZ0040-100X	NET RESISTOR	10Ω 1/16W J x4
RA1110	NRZ0040-100X	NET RESISTOR	10Ω 1/16W J x4
RA1111	NRZ0040-100X	NET RESISTOR	10Ω 1/16W J x4
RA1112	NRZ0040-100X	NET RESISTOR	10Ω 1/16W J x4
RA1172	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4
RB3000	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4
RB3001	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4
RB3002	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4

⚠Ref No.	Part No.	Part Name	Description	Local
RB3003	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RB3004	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RB3005	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RB3006	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RB3007	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RB3008	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RB3009	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RB3010	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RB3011	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RB3012	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RB3013	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RB3014	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RB3015	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RB3016	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RB3017	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RB3018	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RB3019	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RB3020	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RB3021	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RB3022	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RB3023	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RB3024	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RB3025	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RB3026	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RB3027	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RB3028	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RB3029	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RB3030	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RB3031	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RB3032	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RB3033	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RB3034	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RB3035	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RB3036	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RB3037	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RB3038	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RB3039	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RB3040	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RB3041	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RB3042	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RB3043	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RB3044	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RB3045	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RB3046	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RB3047	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RB3048	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RB3049	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RB3050	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RB3051	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RB3052	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RB3053	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RB3054	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RB3055	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RB3056	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RB3057	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RB3058	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RB3059	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RB3060	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RB3061	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RB3062	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RB3063	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RB3064	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RB3065	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RB3066	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RB3067	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RB3068	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	
RB3069	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB3070	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB3071	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	
RB3072	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB3073	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB3074	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB3084	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB3085	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB3086	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB3087	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB3088	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RB3089	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RB3090	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RB3091	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RB3092	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RB3093	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RB3094	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RB3095	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RB3096	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RB3097	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RB3098	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RB3099	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RB3100	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RB3101	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RB3102	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RB3103	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RB3104	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RB3105	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RB3106	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RB3107	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RB3110	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB3111	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB3112	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB3113	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB3117	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RB3118	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RB3119	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RB3120	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RB3121	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RB3122	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RB3123	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RB3124	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RB3125	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RB3126	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RB3127	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RB3128	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RB3129	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RB3130	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RB3131	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RB3132	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RB3133	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RB3134	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RB3135	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RB3136	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RB3137	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RB3138	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RB3139	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RB3140	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RB3170	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB3171	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB5000	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RB5001	NRVA63B-821X	CMF RESISTOR	820Ω 1/16W B	
RB5002	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RB5003	NRVA63B-821X	CMF RESISTOR	820Ω 1/16W B	
RB5004	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RB5005	NRVA63B-821X	CMF RESISTOR	820Ω 1/16W B	
RB5006	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RB5007	NRVA63B-821X	CMF RESISTOR	820Ω 1/16W B	
RB5008	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RB5009	NRVA63B-821X	CMF RESISTOR	820Ω 1/16W B	
RB5010	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RB5011	NRVA63B-821X	CMF RESISTOR	820Ω 1/16W B	
RB5012	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RB5013	NRVA63B-821X	CMF RESISTOR	820Ω 1/16W B	
RB5014	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RB5015	NRVA63B-821X	CMF RESISTOR	820Ω 1/16W B	
RB5016	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB5017	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RB5018	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RB5019	NRVA63B-821X	CMF RESISTOR	820Ω 1/16W B	
RB5020	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RB5021	NRVA63B-821X	CMF RESISTOR	820Ω 1/16W B	
RB5022	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RB5023	NRVA63B-821X	CMF RESISTOR	820Ω 1/16W B	
RB5024	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RB5025	NRVA63B-821X	CMF RESISTOR	820Ω 1/16W B	
RB5026	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RB5027	NRVA63B-821X	CMF RESISTOR	820Ω 1/16W B	
RB5028	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RB5029	NRVA63B-821X	CMF RESISTOR	820Ω 1/16W B	
RB5030	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RB5031	NRVA63B-821X	CMF RESISTOR	820Ω 1/16W B	
RB5032	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RB5033	NRVA63B-821X	CMF RESISTOR	820Ω 1/16W B	
RB5034	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB5035	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RB5036	NRVA63D-103X	CMF RESISTOR	10kΩ 1/16W D	
RB5037	NRVA63D-682X	CMF RESISTOR	6.8kΩ 1/16W D	
RB5038	NRVA63D-512X	CMF RESISTOR	5.1kΩ 1/16W D	
RG3000	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RG3001	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RG3002	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RG3003	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RG3004	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RG3005	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RG3006	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RG3007	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RG3008	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RG3009	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RG3010	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RG3011	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RG3012	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RG3013	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RG3014	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	

⚠Ref No.	Part No.	Part Name	Description	Local
RG3015	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RG3016	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RG3017	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RG3018	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RG3019	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RG3020	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RG3021	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RG3022	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RG3023	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RG3024	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RG3025	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RG3026	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RG3027	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RG3028	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RG3029	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RG3030	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RG3031	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RG3032	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RG3033	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RG3034	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RG3035	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RG3036	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RG3037	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RG3038	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RG3039	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RG3040	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RG3041	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RG3042	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RG3043	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RG3044	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RG3045	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RG3046	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RG3047	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RG3048	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RG3049	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RG3050	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RG3051	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RG3052	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RG3053	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RG3054	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RG3055	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RG3056	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RG3057	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RG3058	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RG3059	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RG3060	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RG3061	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RG3062	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RG3063	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RG3064	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RG3065	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RG3066	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RG3067	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RG3068	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	
RG3069	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RG3070	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RG3071	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	
RG3072	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RG3073	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RG3074	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RG3084	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RG3085	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RG3086	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RG3087	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RG3088	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RG3089	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RG3090	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RG3091	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RG3092	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RG3093	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RG3094	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RG3095	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RG3096	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RG3097	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RG3098	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RG3099	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RG3100	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RG3101	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RG3102	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RG3103	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RG3104	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RG3105	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RG3106	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RG3107	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RG3113	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RG3114	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RG3115	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RG3116	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RG3117	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RG3118	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RG3119	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RG3120	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RG3121	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RG3122	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RG3123	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RG3124	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RG3125	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RG3126	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RG3127	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RG3128	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RG3129	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RG3130	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RG3131	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RG3132	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RG3133	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RG3134	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RG3135	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RG3136	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RG3137	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RG3138	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RG3139	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RG3140	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RG3170	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RG5000	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RG5001	NRVA63B-821X	CMF RESISTOR	820Ω 1/16W B	
RG5002	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RG5003	NRVA63B-821X	CMF RESISTOR	820Ω 1/16W B	
RG5004	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RG5005	NRVA63B-821X	CMF RESISTOR	820Ω 1/16W B	
RG5006	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RG5007	NRVA63B-821X	CMF RESISTOR	820Ω 1/16W B	
RG5008	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RG5009	NRVA63B-821X	CMF RESISTOR	820Ω 1/16W B	
RG5010	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RG5011	NRVA63B-821X	CMF RESISTOR	820Ω 1/16W B	
RG5012	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RG5013	NRVA63B-821X	CMF RESISTOR	820Ω 1/16W B	
RG5014	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RG5015	NRVA63B-821X	CMF RESISTOR	820Ω 1/16W B	
RG5016	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RG5017	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RG5018	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RG5019	NRVA63B-821X	CMF RESISTOR	820Ω 1/16W B	
RG5020	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RG5021	NRVA63B-821X	CMF RESISTOR	820Ω 1/16W B	
RG5022	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RG5023	NRVA63B-821X	CMF RESISTOR	820Ω 1/16W B	
RG5024	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RG5025	NRVA63B-821X	CMF RESISTOR	820Ω 1/16W B	
RG5026	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RG5027	NRVA63B-821X	CMF RESISTOR	820Ω 1/16W B	
RG5028	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RG5029	NRVA63B-821X	CMF RESISTOR	820Ω 1/16W B	
RG5030	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RG5031	NRVA63B-821X	CMF RESISTOR	820Ω 1/16W B	
RG5032	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RG5033	NRVA63B-821X	CMF RESISTOR	820Ω 1/16W B	
RG5034	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RG5035	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RG5036	NRVA63D-103X	CMF RESISTOR	10kΩ 1/16W D	
RG5037	NRVA63D-682X	CMF RESISTOR	6.8kΩ 1/16W D	
RG5038	NRVA63D-512X	CMF RESISTOR	5.1kΩ 1/16W D	
RR3000	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RR3001	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RR3002	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RR3003	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RR3004	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RR3005	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RR3006	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RR3007	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RR3008	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RR3009	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RR3010	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RR3011	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RR3012	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RR3013	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RR3014	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RR3015	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RR3016	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RR3017	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RR3018	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RR3019	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RR3020	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RR3021	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RR3022	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RR3023	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RR3024	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RR3025	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RR3026	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RR3027	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	

⚠Ref No.	Part No.	Part Name	Description	Local
RR3028	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RR3029	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RR3030	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RR3031	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RR3032	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RR3033	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RR3034	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RR3035	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RR3036	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RR3037	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RR3038	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RR3039	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RR3040	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RR3041	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RR3042	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RR3043	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RR3044	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RR3045	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RR3046	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RR3047	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RR3048	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RR3049	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RR3050	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RR3051	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RR3052	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RR3053	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RR3054	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RR3055	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RR3056	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RR3057	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RR3058	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RR3059	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RR3060	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RR3061	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RR3062	NRZ0034-470W	NET RESISTOR	47Ω 1/32W J x4	
RR3063	NRZ0034-510W	NET RESISTOR	51Ω 1/32W J x4	
RR3064	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RR3065	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RR3066	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RR3067	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RR3070	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RR3071	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RR3072	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RR3073	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RR3074	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RR3075	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RR3076	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RR3077	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RR3078	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RR3079	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RR3080	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RR3081	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RR3082	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RR3083	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RR3084	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RR3085	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RR3086	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RR3087	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RR3088	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RR3089	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
RR3090	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
RR3091	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
RR3092	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
RR3093	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
RR3094	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RR3095	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	
RR3096	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RR3097	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RR3098	NRSA63J-512X	MG RESISTOR	5.1kΩ 1/16W J	
RR3099	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RR3100	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RR3101	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RR3108	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RR3110	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RR3111	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RR3112	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RR3113	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RR3114	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
RR3115	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RR3116	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RR3117	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RR3118	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RR3119	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RR3120	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RR3121	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RR3122	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RR3123	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RR3124	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RR3125	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RR3126	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RR3127	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RR3128	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RR3129	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RR3130	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RR3131	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RR3132	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RR3133	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RR3134	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4	
RR3139	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RR3140	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RR3141	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RR3142	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RR3146	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RR3147	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RR3148	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RR3149	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RR3150	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RR3151	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RR3152	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RR3153	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RR3154	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RR3155	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RR3156	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RR3157	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RR3158	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RR3159	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RR3160	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RR3161	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RR3162	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RR3163	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RR3164	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RR3165	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RR3166	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RR3167	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RR3168	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RR3169	NRSA63J-510X	MG RESISTOR	51Ω 1/16W J	
RR3170	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RR5000	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RR5001	NRVA63B-821X	CMF RESISTOR	820Ω 1/16W B	
RR5002	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RR5003	NRVA63B-821X	CMF RESISTOR	820Ω 1/16W B	
RR5004	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RR5005	NRVA63B-821X	CMF RESISTOR	820Ω 1/16W B	
RR5006	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RR5007	NRVA63B-821X	CMF RESISTOR	820Ω 1/16W B	
RR5008	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RR5009	NRVA63B-821X	CMF RESISTOR	820Ω 1/16W B	
RR5010	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RR5011	NRVA63B-821X	CMF RESISTOR	820Ω 1/16W B	
RR5012	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RR5013	NRVA63B-821X	CMF RESISTOR	820Ω 1/16W B	
RR5014	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RR5015	NRVA63B-821X	CMF RESISTOR	820Ω 1/16W B	
RR5016	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RR5017	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RR5018	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RR5019	NRVA63B-821X	CMF RESISTOR	820Ω 1/16W B	
RR5020	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RR5021	NRVA63B-821X	CMF RESISTOR	820Ω 1/16W B	
RR5022	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RR5023	NRVA63B-821X	CMF RESISTOR	820Ω 1/16W B	
RR5024	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RR5025	NRVA63B-821X	CMF RESISTOR	820Ω 1/16W B	
RR5026	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RR5027	NRVA63B-821X	CMF RESISTOR	820Ω 1/16W B	
RR5028	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RR5029	NRVA63B-821X	CMF RESISTOR	820Ω 1/16W B	
RR5030	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RR5031	NRVA63B-821X	CMF RESISTOR	820Ω 1/16W B	
RR5032	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RR5033	NRVA63B-821X	CMF RESISTOR	820Ω 1/16W B	
RR5034	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RR5035	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RR5036	NRVA63D-103X	CMF RESISTOR	10kΩ 1/16W D	
RR5037	NRVA63D-682X	CMF RESISTOR	6.8kΩ 1/16W D	
RR5038	NRVA63D-512X	CMF RESISTOR	5.1kΩ 1/16W D	
CN1111	QGA1201C2-10X	CONNECTOR	W-B (1-10)	
CN3000	QGA1201C2-10X	CONNECTOR	W-B (1-10)	
CN3001	QGA1201C2-10X	CONNECTOR	W-B (1-10)	
CN4000	QGA2001F6-08X	CONNECTOR	W-B (1-8)	
CN4001	QGA1002F1-20X	CONNECTOR	W-B (1-20)	
CN5000	QGF0508F4-24X	CONNECTOR	FFC/FPC (1-24)	
CN5001	QGF0508F4-24X	CONNECTOR	FFC/FPC (1-24)	
CN5002	QGF0508F4-24X	CONNECTOR	FFC/FPC (1-24)	
CN7000	QGA1201F2-02X	CONNECTOR	W-B (1-2)	
CN7001	QGA1201F2-03X	CONNECTOR	W-B (1-3)	
CN7002	QGA1201F2-04X	CONNECTOR	W-B (1-4)	
CN7003	QGA1201F2-03X	CONNECTOR	W-B (1-3)	
CN7004	QGA1201F2-05X	CONNECTOR	W-B (1-5)	

⚠Ref No.	Part No.	Part Name	Description	Local
CN7005	QGA2001C6-08X	CONNECTOR	W-B (1-8)	
CN7006	QGA2001C6-12X	CONNECTOR	W-B (1-12)	
CN7007	QGA1201C2-02X	CONNECTOR	W-B (1-2)	
CN7008	QGA2001F6-11X	CONNECTOR	W-B (1-11)	
CN7009	QGA1201F2-02X	CONNECTOR	W-B (1-2)	
CN7010	QGA2001F6-03X	CONNECTOR	W-B (1-3)	
CN7011	QGA2001F6-03X	CONNECTOR	W-B (1-3)	
CN7012	QGA2001F6-03X	CONNECTOR	W-B (1-3)	
CN7013	QGA2001F6-03X	CONNECTOR	W-B (1-3)	
CN7014	QGA2001F6-04X	CONNECTOR	W-B (1-4)	
CN7015	QGA2001F6-04X	CONNECTOR	W-B (1-4)	
CN7016	QGA2001F6-04X	CONNECTOR	W-B (1-4)	
CN7017	QGA2001F6-05X	CONNECTOR	W-B (1-5)	
CN7018	QGA2001F6-14X	CONNECTOR	W-B (1-14)	
EF4001	NQR0020-006X	EMI FILTER		
EF4002	NQR0020-006X	EMI FILTER		
EF4003	NQR0020-006X	EMI FILTER		
F7000	NAD0040-002X	P THERMISTOR		
F7001	NAD0040-002X	P THERMISTOR		
J1101	QNZ0694-001	D CONNECTOR	DVI	
J7000	QNS0238-002	3.5 JACK	SERVICE	
J7001	QNZ0587-001	D CONNECTOR	RS-232C	
J7002	QNS0239-002	3.5 JACK	SCREEN TRIGGER	
K1101	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K1103	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K1107	NQR0413-003X	FERRITE BEADS		
K1111	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K1112	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K1113	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K1114	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K1115	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K1116	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K1121	NQR0413-003X	FERRITE BEADS		
K1122	NQR0413-003X	FERRITE BEADS		
K1123	NQR0413-003X	FERRITE BEADS		
K1124	NQR0413-003X	FERRITE BEADS		
K1125	NQR0413-003X	FERRITE BEADS		
K1126	NQR0413-003X	FERRITE BEADS		
K1127	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K1128	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K1129	NQR0413-003X	FERRITE BEADS		
K1131	NQR0413-003X	FERRITE BEADS		
K1132	NQR0413-003X	FERRITE BEADS		
K1133	NQR0413-003X	FERRITE BEADS		
K1134	NQR0413-003X	FERRITE BEADS		
K1201	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K2000	NQR0413-003X	FERRITE BEADS		
K2001	NQR0413-003X	FERRITE BEADS		
K2002	NQR0413-003X	FERRITE BEADS		
K2003	NQR0413-003X	FERRITE BEADS		
K2004	NQR0413-003X	FERRITE BEADS		
K2005	NQR0413-003X	FERRITE BEADS		
K3000	NQR0413-003X	FERRITE BEADS		
K3001	NQR0413-003X	FERRITE BEADS		
K3002	NQR0413-003X	FERRITE BEADS		
K3003	NQR0413-003X	FERRITE BEADS		
K3004	NQR0413-003X	FERRITE BEADS		
K3005	NQR0413-003X	FERRITE BEADS		
K3006	NQR0413-003X	FERRITE BEADS		
K3007	NQR0413-003X	FERRITE BEADS		
K3008	NQR0413-003X	FERRITE BEADS		
K3009	NQR0413-003X	FERRITE BEADS		
K3010	NQR0413-003X	FERRITE BEADS		
K3011	NQR0413-003X	FERRITE BEADS		
K3012	NQR0413-003X	FERRITE BEADS		
K3013	NQR0413-003X	FERRITE BEADS		
K3014	NQR0413-003X	FERRITE BEADS		
K3015	NQR0413-003X	FERRITE BEADS		
K3016	NQR0413-003X	FERRITE BEADS		
K3017	NQR0413-003X	FERRITE BEADS		
K3018	NQR0413-003X	FERRITE BEADS		
K3019	NQR0413-003X	FERRITE BEADS		
K3020	NQR0413-003X	FERRITE BEADS		
K3021	NQR0413-003X	FERRITE BEADS		
K3022	NQR0413-003X	FERRITE BEADS		
K3023	NQR0413-003X	FERRITE BEADS		
K3024	NQR0413-003X	FERRITE BEADS		
K3025	NQR0413-003X	FERRITE BEADS		
K3026	NQR0413-003X	FERRITE BEADS		
K3027	NQR0413-003X	FERRITE BEADS		
K3028	NQR0413-003X	FERRITE BEADS		
K3029	NQR0413-003X	FERRITE BEADS		
K3030	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K3031	NQR0413-003X	FERRITE BEADS		
K3032	NQR0413-003X	FERRITE BEADS		
K3033	NQR0413-003X	FERRITE BEADS		
K3034	NQR0413-003X	FERRITE BEADS		
K3035	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K3036	NQR0413-003X	FERRITE BEADS		
K3037	NQR0413-003X	FERRITE BEADS		
K3038	NQR0413-003X	FERRITE BEADS		
K3039	NQR0413-003X	FERRITE BEADS		
K3040	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K3041	NQR0413-003X	FERRITE BEADS		
K3042	NQR0413-003X	FERRITE BEADS		
K3043	NQR0413-003X	FERRITE BEADS		
K3044	NQR0413-003X	FERRITE BEADS		
K3045	NQR0413-003X	FERRITE BEADS		
K3046	NQR0413-003X	FERRITE BEADS		
K3047	NQR0413-003X	FERRITE BEADS		
K3048	NQR0413-003X	FERRITE BEADS		
K4000	NQR0413-003X	FERRITE BEADS		
K4001	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K4002	NQR0413-003X	FERRITE BEADS		
K4003	NQR0413-003X	FERRITE BEADS		
K4004	NQR0413-003X	FERRITE BEADS		
K4005	NQR0413-003X	FERRITE BEADS		
K4006	NQR0413-003X	FERRITE BEADS		
K4007	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K4008	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K4009	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K4010	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K4011	NQR0413-003X	FERRITE BEADS		
K4012	NQR0413-003X	FERRITE BEADS		
K4013	NQR0413-003X	FERRITE BEADS		
K4014	NQR0413-003X	FERRITE BEADS		
K4015	NQR0413-003X	FERRITE BEADS		
K5000	NQR0413-003X	FERRITE BEADS		
K5001	NQR0413-003X	FERRITE BEADS		
K5002	NQR0413-003X	FERRITE BEADS		
K7000	NQR0413-003X	FERRITE BEADS		
K7001	NQR0413-003X	FERRITE BEADS		
K7002	NQR0413-003X	FERRITE BEADS		
K7003	NQR0413-003X	FERRITE BEADS		
K7004	NQR0413-003X	FERRITE BEADS		
K7005	NQR0413-003X	FERRITE BEADS		
K7006	NQR0413-003X	FERRITE BEADS		
K7007	NQR0413-003X	FERRITE BEADS		
K7008	NQR0413-003X	FERRITE BEADS		
K7009	NQR0413-003X	FERRITE BEADS		
K7010	NQR0413-003X	FERRITE BEADS		
K7011	NQR0413-003X	FERRITE BEADS		
K7012	NQR0413-003X	FERRITE BEADS		
K7013	NQR0413-003X	FERRITE BEADS		
K7014	NQR0413-003X	FERRITE BEADS		
K7015	NQR0413-003X	FERRITE BEADS		
K7016	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K7017	NQR0413-003X	FERRITE BEADS		
K7018	NQR0413-003X	FERRITE BEADS		
K7020	NQR0413-003X	FERRITE BEADS		
K7021	NQR0413-003X	FERRITE BEADS		
K7022	NQR0413-003X	FERRITE BEADS		
K7023	NQR0413-003X	FERRITE BEADS		
K7024	NQR0413-003X	FERRITE BEADS		
K7025	NQR0413-003X	FERRITE BEADS		
K7026	NQR0413-003X	FERRITE BEADS		
K7027	NQR0413-003X	FERRITE BEADS		
K7028	NQR0413-003X	FERRITE BEADS		
K7029	NQR0413-003X	FERRITE BEADS		
K7032	NQR0413-003X	FERRITE BEADS		
K7036	NQR0147-004X	FERRITE BEADS		
K7037	NQR0147-004X	FERRITE BEADS		
K7038	NQR0147-004X	FERRITE BEADS		
K7039	NQR0147-004X	FERRITE BEADS		
K7040	NQR0147-004X	FERRITE BEADS		
K7041	NQR0147-004X	FERRITE BEADS		
K7042	NQR0271-001X	EMI FILTER		
K7043	NQR0147-004X	FERRITE BEADS		
K7044	NQR0147-004X	FERRITE BEADS		
K7045	NQR0147-004X	FERRITE BEADS		
K7046	NQR0147-004X	FERRITE BEADS		
RR3179	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
X2000	NAX0597-001X	CRYSTAL	14.31818MHz	
X7000	NAX0137-001X	C OSCILLATOR	4.000MHz	

POWER P.W. BOARD ASS'Y (LCA10624-01B)

⚠Ref No.	Part No.	Part Name	Description	Local
IC9701	TA78L12F-X	IC		
IC9801	FA13843NE-W	IC		
⚠IC9802	TLP421F/D4-GR/X	PHOTO COUPLER		
⚠IC9803	TLP421F/D4-GR/X	PHOTO COUPLER		
⚠IC9804	TLP421F/D4-GR/X	PHOTO COUPLER		
IC9805	NJM2380AF-X	IC		
IC9806	PQ30RV11	IC		
IC9807	PQ30RV11	IC		

⚠Ref No.	Part No.	Part Name	Description Local
IC9808	PQ30RV11	IC	
IC9901	MC33262D-X	IC	
IC9902	MIP0221SU-X	IC	
Q9701	2SC3751/M/	POW TRANSISTOR	
Q9702	2SC2412K/QR/-X	TRANSISTOR	
Q9801	FMG9A-W	DIGI TRANSISTOR	
Q9802	IMD3A-W	DIGI TRANSISTOR	
Q9803	FP203-X	TRANSISTOR	
Q9804	IMD3A-W	DIGI TRANSISTOR	
⚠Q9805	2SK3515-01MRE	POWER MOS FET	
⚠Q9806	2SK3515-01MRE	POWER MOS FET	
Q9807	2SC2412K/QR/-X	TRANSISTOR	
Q9812	2SC2412K/QR/-X	TRANSISTOR	
Q9813	DTC143XKA-X	DIGI TRANSISTOR	
Q9817	DTC143XKA-X	DIGI TRANSISTOR	
Q9818	2SC2412K/QR/-X	TRANSISTOR	
Q9820	DTC123YKA-X	DIGI TRANSISTOR	
Q9821	2SC2412K/QR/-X	TRANSISTOR	
Q9823	SF0R3G42-T	SCR	
Q9827	DTC114EKA-X	DIGI TRANSISTOR	
Q9828	DTC114EKA-X	DIGI TRANSISTOR	
⚠Q9901	2SK1017-01E	POWER MOS FET	
Q9902	2SD2114K/V/-X	TRANSISTOR	
Q9921	2SC2412K/QR/-X	TRANSISTOR	
D9701	S1WB/A/60-X	BRIDGE DIODE	
D9702	MA3068/M/-X	Z DIODE	
D9703	M1FS6-X	SB DIODE	
D9704	MA111-X	SI DIODE	
D9705	M1FL20U-X	FR DIODE	
D9706	M1FS6-X	SB DIODE	
D9707	RS1J-X	SI DIODE	
D9801	MA111-X	SI DIODE	
D9802	MA111-X	SI DIODE	
D9803	MA111-X	SI DIODE	
D9804	MA3270/H/-X	Z DIODE	
D9805	MA111-X	SI DIODE	
D9806	MA3270/H/-X	Z DIODE	
D9807	M1FL20U-X	FR DIODE	
D9808	MA3120/M/-X	Z DIODE	
D9809	RS2J-X	SI DIODE	
D9810	RS2J-X	SI DIODE	
D9811	MA111-X	SI DIODE	
D9812	MA111-X	SI DIODE	
D9852	YG805C04RE	SB DIODE	
D9853	YG811S09RE	SB DIODE	
D9854	SMBYW02-200E-X	SI DIODE	
D9856	MA111-X	SI DIODE	
D9861	MA111-X	SI DIODE	
D9862	MA111-X	SI DIODE	
D9868	MA111-X	SI DIODE	
D9870	MA8091/M/-X	Z DIODE	
D9871	M1FL20U-X	FR DIODE	
D9875	SMBYW02-200E-X	SI DIODE	
⚠D9901	D15XB60H	BRIDGE DIODE	
D9902	D5L60	SI DIODE	
D9903	RS1J-X	SI DIODE	
D9904	RS1J-X	SI DIODE	
D9905	MA3110/M/-X	Z DIODE	
D9906	MA111-X	SI DIODE	
D9908	MA111-X	SI DIODE	
D9909	MA111-X	SI DIODE	
D9910	MA111-X	SI DIODE	
D9921	MA111-X	SI DIODE	
C9701	QEHR2GM-106Z	E CAPACITOR	10uF 400V M
C9702	NCB21HK-472X	C CAPACITOR	4700pF 50V K
C9703	QEHR1CM-107Z	E CAPACITOR	100uF 16V M
C9704	QEHR1CM-227Z	E CAPACITOR	220uF 16V M
C9705	QEHR1VM-107Z	E CAPACITOR	100uF 35V M
C9706	QEHR1CM-107Z	E CAPACITOR	100uF 16V M
⚠C9710	QCZ9078-222	C CAPACITOR	2200pF AC250V M
⚠C9711	QCZ9078-222	C CAPACITOR	2200pF AC250V M
C9712	NCZ1009-222X	C CAPACITOR	2200pF 630V K
⚠C9713	QCZ9079-102	C CAPACITOR	1000pF AC250V M
C9715	QEHR1CM-107Z	E CAPACITOR	100uF 16V M
C9801	NCF21CZ-105X	C CAPACITOR	1uF 16V Z
C9802	NDC21HJ-221X	C CAPACITOR	220pF 50V J
C9803	NCB21HK-222X	C CAPACITOR	2200pF 50V K
C9804	NCB21EK-104X	C CAPACITOR	0.1uF 25V K
C9805	QEHR1EM-107Z	E CAPACITOR	100uF 25V M
C9806	NCF11EZ-105X	C CAPACITOR	1uF 25V Z
C9807	NCF11EZ-105X	C CAPACITOR	1uF 25V Z
C9808	NCF11EZ-105X	C CAPACITOR	1uF 25V Z
C9809	NCF11EZ-105X	C CAPACITOR	1uF 25V Z
C9810	QEHR1HM-106Z	E CAPACITOR	10uF 50V M
C9811	QEHR1HM-106Z	E CAPACITOR	10uF 50V M
C9812	NCF11EZ-105X	C CAPACITOR	1uF 25V Z
C9813	NCF11EZ-105X	C CAPACITOR	1uF 25V Z

⚠Ref No.	Part No.	Part Name	Description Local
C9814	NCB21HK-103X	C CAPACITOR	0.01uF 50V K
C9815	NCF11EZ-105X	C CAPACITOR	1uF 25V Z
C9816	QEHR1VM-476Z	E CAPACITOR	47uF 35V M
C9817	NCB21HK-103X	C CAPACITOR	0.01uF 50V K
C9818	NCF21CZ-105X	C CAPACITOR	1uF 16V Z
C9819	NDC21HJ-102X	C CAPACITOR	1000pF 50V J
C9853	QTMT1CM-478	E CAPACITOR	4700uF 16V M
C9854	QEHR1AM-337Z	E CAPACITOR	330uF 10V M
C9855	QTMT1VM-567	E CAPACITOR	560uF 35V M
C9856	QEHR1VM-107Z	E CAPACITOR	100uF 35V M
C9857	QEHR1VM-477Z	E CAPACITOR	470uF 35V M
C9858	QEHR1VM-107Z	E CAPACITOR	100uF 35V M
C9864	NCB21HK-473X	C CAPACITOR	0.047uF 50V K
C9871	QEHR1VM-476Z	E CAPACITOR	47uF 35V M
C9872	QEHR1CM-107Z	E CAPACITOR	100uF 16V M
⚠C9873	QCZ9079-102	C CAPACITOR	1000pF AC250V M
C9874	NCB21EK-104X	C CAPACITOR	0.1uF 25V K
C9875	NCB21EK-104X	C CAPACITOR	0.1uF 25V K
C9876	QEHR1CM-107Z	E CAPACITOR	100uF 16V M
C9877	NCB21EK-104X	C CAPACITOR	0.1uF 25V K
C9878	NCB21EK-104X	C CAPACITOR	0.1uF 25V K
C9879	QEHR1CM-107Z	E CAPACITOR	100uF 16V M
C9880	NCB21EK-104X	C CAPACITOR	0.1uF 25V K
C9881	NCB21EK-104X	C CAPACITOR	0.1uF 25V K
C9882	QEHR1VM-476Z	E CAPACITOR	47uF 35V M
C9884	NCB21HK-103X	C CAPACITOR	0.01uF 50V K
C9885	NCB21EK-104X	C CAPACITOR	0.1uF 25V K
C9886	NCB21EK-104X	C CAPACITOR	0.1uF 25V K
C9887	NCB21EK-104X	C CAPACITOR	0.1uF 25V K
⚠C9901	QFZ9075-155	MPP CAPACITOR	1.5uF AC275V M
⚠C9903	QFZ9073-474	MM CAPACITOR	0.47uF AC250V M
⚠C9904	QCZ9078-102	C CAPACITOR	1000pF AC250V M
⚠C9905	QCZ9078-102	C CAPACITOR	1000pF AC250V M
⚠C9907	QFZ9073-474	MM CAPACITOR	0.47uF AC250V M
⚠C9908	QCZ9078-222	C CAPACITOR	2200pF AC250V M
⚠C9909	QCZ9078-222	C CAPACITOR	2200pF AC250V M
C9910	QFZ0233-275	MM CAPACITOR	2.7uF
C9911	NCB21HK-103X	C CAPACITOR	0.01uF 50V K
C9912	NCB11EK-684X	C CAPACITOR	0.68uF 25V K
C9913	NDC21HJ-102X	C CAPACITOR	1000pF 50V J
⚠C9914	QEZ0601-337	E CAPACITOR	330uF 450V M
C9916	QEHR1VM-476Z	E CAPACITOR	47uF 35V M
C9917	QEHR1VM-476Z	E CAPACITOR	47uF 35V M
C9918	QEHR1VM-476Z	E CAPACITOR	47uF 35V M
C9919	NCF11EZ-105X	C CAPACITOR	1uF 25V Z
C9921	QEHR1VM-476Z	E CAPACITOR	47uF 35V M
C9922	QEHR1VM-476Z	E CAPACITOR	47uF 35V M
C9923	NCB21HK-103X	C CAPACITOR	0.01uF 50V K
R9702	NRS144J-334X	MG RESISTOR	330kΩ 1/4W J
R9703	NRS12BJ-2R2W	MG RESISTOR	2.2Ω 1/2W J
R9704	NRSA02J-103X	MG RESISTOR	10kΩ 1/10W J
R9705	NRSA02J-820X	MG RESISTOR	82Ω 1/10W J
R9706	NRSA02J-2R2X	MG RESISTOR	2.2Ω 1/10W J
R9707	NRSA02J-103X	MG RESISTOR	10kΩ 1/10W J
R9708	NRS12BJ-101W	MG RESISTOR	100Ω 1/2W J
R9709	NRS144J-334X	MG RESISTOR	330kΩ 1/4W J
R9710	NRS12BJ-683W	MG RESISTOR	68kΩ 1/2W J
R9715	NRS12BJ-1R0W	MG RESISTOR	1Ω 1/2W J
R9801	NRSA02J-103X	MG RESISTOR	10kΩ 1/10W J
R9802	NRSA02J-102X	MG RESISTOR	1kΩ 1/10W J
R9803	NRSA02J-471X	MG RESISTOR	470Ω 1/10W J
R9804	NRSA02J-472X	MG RESISTOR	4.7kΩ 1/10W J
R9805	NRSA02J-822X	MG RESISTOR	8.2kΩ 1/10W J
R9806	NRSA02J-471X	MG RESISTOR	470Ω 1/10W J
R9807	NRSA02J-102X	MG RESISTOR	1kΩ 1/10W J
R9808	NRS12BJ-220W	MG RESISTOR	22Ω 1/2W J
R9809	NRS12BJ-220W	MG RESISTOR	22Ω 1/2W J
R9810	NRSA02J-103X	MG RESISTOR	10kΩ 1/10W J
R9811	NRS12BJ-220W	MG RESISTOR	22Ω 1/2W J
R9812	NRSA02J-103X	MG RESISTOR	10kΩ 1/10W J
R9813	QRM059J-R68	MP RESISTOR	0.68Ω 5W J
R9814	NRSA02J-122X	MG RESISTOR	1.2kΩ 1/10W J
R9815	NRS144J-0R0X	MG RESISTOR	0Ω 1/4W J
R9816	NRSA02J-392X	MG RESISTOR	3.9kΩ 1/10W J
R9817	NRSA02J-103X	MG RESISTOR	10kΩ 1/10W J
R9818	NRSA02J-153X	MG RESISTOR	15kΩ 1/10W J
R9819	NRSA02J-103X	MG RESISTOR	10kΩ 1/10W J
R9820	NRSA02J-822X	MG RESISTOR	8.2kΩ 1/10W J
R9821	NRSA02J-472X	MG RESISTOR	4.7kΩ 1/10W J
R9822	NRSA02J-102X	MG RESISTOR	1kΩ 1/10W J
R9823	NRSA02J-123X	MG RESISTOR	12kΩ 1/10W J
R9824	NRSA02J-272X	MG RESISTOR	2.7kΩ 1/10W J
R9825	NRSA02J-101X	MG RESISTOR	100Ω 1/10W J
R9827	NRSA02J-821X	MG RESISTOR	820Ω 1/10W J
R9828	NRSA02J-222X	MG RESISTOR	2.2kΩ 1/10W J
R9829	NRSA02J-222X	MG RESISTOR	2.2kΩ 1/10W J
R9830	NRSA02J-684X	MG RESISTOR	680kΩ 1/10W J
R9831	NRSA02J-223X	MG RESISTOR	22kΩ 1/10W J
R9832	NRSA02F-332X	MG RESISTOR	3.3kΩ 1/10W F

⚠Ref No.	Part No.	Part Name	Description Local
R9834	NRSA02F-2431X	MG RESISTOR	2.43kΩ 1/10W F
R9845	NRSA02J-362X	MG RESISTOR	3.6kΩ 1/10W J
R9849	NRSA02J-103X	MG RESISTOR	10kΩ 1/10W J
R9853	NRSA02J-102X	MG RESISTOR	1kΩ 1/10W J
R9854	NRSA02J-822X	MG RESISTOR	8.2kΩ 1/10W J
R9856	NRS12BJ-562W	MG RESISTOR	5.6kΩ 1/2W J
R9857	NRS12BJ-562W	MG RESISTOR	5.6kΩ 1/2W J
R9858	NRS12BJ-103W	MG RESISTOR	10kΩ 1/2W J
R9866	NRSA63D-822X	MG RESISTOR	8.2kΩ 1/16W D
R9867	NRSA63D-271X	MG RESISTOR	270Ω 1/16W D
R9868	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R9869	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D
R9873	NRSA63D-822X	MG RESISTOR	8.2kΩ 1/16W D
R9874	NRSA63D-271X	MG RESISTOR	270Ω 1/16W D
R9875	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R9876	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D
R9880	NRSA63D-822X	MG RESISTOR	8.2kΩ 1/16W D
R9881	NRSA63D-271X	MG RESISTOR	270Ω 1/16W D
R9882	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R9883	NRSA63D-102X	MG RESISTOR	1kΩ 1/16W D
R9887	NRSA02J-103X	MG RESISTOR	10kΩ 1/10W J
R9888	NRSA02J-473X	MG RESISTOR	47kΩ 1/10W J
R9889	NRSA02J-223X	MG RESISTOR	22kΩ 1/10W J
R9890	NRSA02J-182X	MG RESISTOR	1.8kΩ 1/10W J
R9891	NRSA02J-182X	MG RESISTOR	1.8kΩ 1/10W J
⚠R9901	QRZ0111-474	C RESISTOR	470kΩ 1/2W K
⚠R9902	QRZ9060-825	C RESISTOR	8.2MΩ
R9903	NRSA02F-364X	MG RESISTOR	360kΩ 1/10W F
R9904	NRSA02J-474X	MG RESISTOR	470kΩ 1/10W J
R9905	NRSA63D-153X	MG RESISTOR	15kΩ 1/16W D
R9906	NRSA02J-331X	MG RESISTOR	330Ω 1/10W J
R9907	NRZ0074-R15X	MG RESISTOR	0.15Ω 1W J
R9908	NRZ0074-R18X	MG RESISTOR	0.18Ω 1W J
R9909	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D
R9910	NRSA02F-334X	MG RESISTOR	330kΩ 1/10W F
R9911	NRSA02F-4753X	MG RESISTOR	475kΩ 1/10W F
R9912	NRS12BJ-122W	MG RESISTOR	1.2kΩ 1/2W J
R9913	NRSA02J-224X	MG RESISTOR	220kΩ 1/10W J
R9914	NRSA02J-224X	MG RESISTOR	220kΩ 1/10W J
R9915	NRS12BJ-223W	MG RESISTOR	22kΩ 1/2W J
⚠R9916	QRZ9057-6R8	FUSI RESISTOR	6.8Ω
R9918	NRSA02F-334X	MG RESISTOR	330kΩ 1/10W F
R9919	NRSA02F-3923X	MG RESISTOR	392kΩ 1/10W F
R9920	NRSA02J-474X	MG RESISTOR	470kΩ 1/10W J
R9921	NRSA02J-103X	MG RESISTOR	10kΩ 1/10W J
R9922	NRSA02J-103X	MG RESISTOR	10kΩ 1/10W J
R9924	NRSA02J-272X	MG RESISTOR	2.7kΩ 1/10W J
R9925	NRSA02J-334X	MG RESISTOR	330kΩ 1/10W J
R9926	NRSA02F-3923X	MG RESISTOR	392kΩ 1/10W F
R9927	NRSA02J-334X	MG RESISTOR	330kΩ 1/10W J
R9928	NRSA02F-4753X	MG RESISTOR	475kΩ 1/10W F
L9701	QQL25CK-470Z	COIL	47uH K
L9852	QQLZ026-500	COIL	50uH Å}7%
L9853	QQL26AK-470Z	COIL	47uH K
L9854	QQL26AK-470Z	COIL	47uH K
L9901	QQL26AK-561Z	COIL	560uH K
⚠T9701	QQS0086-002	SW TRANSF	
⚠T9801	QQR1158-001	DRIVE TRANSF	
⚠T9802	QQS0256-001	SW TRANSF	
⚠T9901	QQR1162-001	CHOKE COIL	
⚠CN9001	QGA7901C1-02	CONNECTOR	W-B (1-2)
⚠CN9002	QGA7901C1-02	CONNECTOR	W-B (1-2)
CN9003	QGA7901C1-02	CONNECTOR	W-B (1-2)
CN9004	QGA2001C1-05	CONNECTOR	W-B (1-5)
CN9005	QGB2013K1-20	CONNECTOR	B-B (1-20)
CN9006	QGA2001C1-14	CONNECTOR	W-B (1-14)
CN9007	QGA2001C1-11	CONNECTOR	W-B (1-11)
⚠F9901	QMF5AD2-6R3-J1	FUSE	6.3A AC250V
FC9901	QNG0003-001Z	FUSE CLIP	
FC9902	QNG0003-001Z	FUSE CLIP	
⚠FR9701	NRZ9015-1R2X	FUSI RESISTOR	1.2Ω
K9701	NQR0006-009X	FERRITE BEADS	
K9702	NQR0006-009X	FERRITE BEADS	
K9703	NQR0006-009X	FERRITE BEADS	
K9801	NQR0006-010X	FERRITE BEADS	
K9802	NQR0006-010X	FERRITE BEADS	
K9851	NQR0351-003X	FERRITE BEADS	
K9853	NQR0351-001X	FERRITE BEADS	
K9854	NQR0351-001X	FERRITE BEADS	
K9901	NQR0006-010X	FERRITE BEADS	
⚠LF9901	QQR1085-002	LINE FILTER	
⚠LF9902	QQR1085-002	LINE FILTER	
⚠LF9903	QQR0532-003	LINE FILTER	
⚠RY9910	QSK0084-001	RELAY	
⚠VA9901	QAF0028-621	VARISTOR	620V

DD SUB1 P.W. BOARD ASS'Y (LCA90234-02B)

⚠Ref No.	Part No.	Part Name	Description Local
IC500	TC4053BF/N/-XE	IC	
IC501	M62392FP-X	IC	
IC502	LM337IMP-X	IC	
IC503	BA15218F-XE	IC	
IC504	BA15218F-XE	IC	
IC505	BA15218F-XE	IC	
IC506	BA15218F-XE	IC	
IC507	BA15218F-XE	IC	
IC508	BA15218F-XE	IC	
IC509	BA15218F-XE	IC	
IC510	BA15218F-XE	IC	
IC511	AD8024AR-X	IC	
IC512	AD8024AR-X	IC	
IC513	AD8024AR-X	IC	
IC514	AD8024AR-X	IC	
IC519	AD8024AR-X	IC	
IC520	AD8024AR-X	IC	
IC521	AD8024AR-X	IC	
IC522	AD8024AR-X	IC	
Q501	2SC2411K/QR/-X	TRANSISTOR	
Q502	2SA1036K/QR/-X	TRANSISTOR	
Q503	2SC2411K/QR/-X	TRANSISTOR	
Q504	2SA1036K/QR/-X	TRANSISTOR	
Q505	2SC2411K/QR/-X	TRANSISTOR	
Q506	2SA1036K/QR/-X	TRANSISTOR	
Q507	2SA1037AK/QR/-X	TRANSISTOR	
C500	NEHL1CM-336X	E CAPACITOR	33uF 16V M
C501	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C502	NEHL1CM-106X	E CAPACITOR	10uF 16V M
C503	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C504	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C505	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C506	NBP21CM-475X	TA E CAPACITOR	4.7uF 16V M
C507	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C508	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C509	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C510	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C511	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C512	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C513	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C514	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C515	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C516	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C517	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C518	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C519	NEHL1CM-106X	E CAPACITOR	10uF 16V M
C520	NEHL1CM-106X	E CAPACITOR	10uF 16V M
C521	NEHL1CM-106X	E CAPACITOR	10uF 16V M
C522	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C523	NCB31HK-471X	C CAPACITOR	470pF 50V K
C524	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C525	NCB31HK-471X	C CAPACITOR	470pF 50V K
C526	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C527	NEHL1CM-106X	E CAPACITOR	10uF 16V M
C528	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C529	NCB31HK-471X	C CAPACITOR	470pF 50V K
C530	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C531	NBP21CM-475X	TA E CAPACITOR	4.7uF 16V M
C532	NEHL1CM-106X	E CAPACITOR	10uF 16V M
C533	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C534	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C535	NEHL1CM-106X	E CAPACITOR	10uF 16V M
C536	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C537	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C538	NEHL1CM-106X	E CAPACITOR	10uF 16V M
C539	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C540	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C541	NEHL1CM-106X	E CAPACITOR	10uF 16V M
C542	NEHL1CM-336X	E CAPACITOR	33uF 16V M
C543	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C544	NBP21CM-475X	TA E CAPACITOR	4.7uF 16V M
C545	NEHL1EM-226X	E CAPACITOR	22uF 25V M
C546	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C547	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C548	NEX51DM-226X	E CAPACITOR	22uF 20V M
C549	NEX51DM-226X	E CAPACITOR	22uF 20V M
C550	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
C551	NEX51DM-226X	E CAPACITOR	22uF 20V M
CB500	NBP41DM-106X	TA E CAPACITOR	10uF 20V M
CB501	NBP41VM-335X	TA E CAPACITOR	3.3uF 35V M
CB502	NBP41DM-106X	TA E CAPACITOR	10uF 20V M
CB503	NBP41VM-335X	TA E CAPACITOR	3.3uF 35V M
CB504	NBP41CM-226X-B	TA E CAPACITOR	22uF 16V M
CB505	NBP41CM-226X-B	TA E CAPACITOR	22uF 16V M
CB506	NBP41CM-226X-B	TA E CAPACITOR	22uF 16V M
CB507	NBP41CM-226X-B	TA E CAPACITOR	22uF 16V M

⚠Ref No.	Part No.	Part Name	Description	Local
CB508	NBP41CM-226X-B	TA E CAPACITOR	22uF 16V M	
CB509	NBP41CM-226X-B	TA E CAPACITOR	22uF 16V M	
CB510	NBP41CM-226X-B	TA E CAPACITOR	22uF 16V M	
CB511	NBP41CM-226X-B	TA E CAPACITOR	22uF 16V M	
CB512	NBP41CM-226X-B	TA E CAPACITOR	22uF 16V M	
CB513	NBP41CM-226X-B	TA E CAPACITOR	22uF 16V M	
CB514	NBP41CM-226X-B	TA E CAPACITOR	22uF 16V M	
CB515	NBP41CM-226X-B	TA E CAPACITOR	22uF 16V M	
CB516	NBP41CM-226X-B	TA E CAPACITOR	22uF 16V M	
CB517	NBP41CM-226X-B	TA E CAPACITOR	22uF 16V M	
CB518	NBP41CM-226X-B	TA E CAPACITOR	22uF 16V M	
CB519	NBP41CM-226X-B	TA E CAPACITOR	22uF 16V M	
CB520	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB521	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB522	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB523	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB524	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB525	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB526	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB527	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB528	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB529	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB530	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB531	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB532	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB533	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB534	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB535	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CB536	NBP41DM-106X	TA E CAPACITOR	10uF 20V M	
CB537	NBP41DM-106X	TA E CAPACITOR	10uF 20V M	
CB538	NBP41DM-106X	TA E CAPACITOR	10uF 20V M	
CB539	NBP41VM-335X	TA E CAPACITOR	3.3uF 35V M	
CB540	NBP41DM-106X	TA E CAPACITOR	10uF 20V M	
CG528	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CG529	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CG530	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CG531	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CG532	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CG533	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CG534	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CG535	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CG536	NBP41DM-106X	TA E CAPACITOR	10uF 20V M	
CG537	NBP41DM-106X	TA E CAPACITOR	10uF 20V M	
CG538	NBP41DM-106X	TA E CAPACITOR	10uF 20V M	
CG539	NBP41VM-335X	TA E CAPACITOR	3.3uF 35V M	
CR500	NBP41DM-106X	TA E CAPACITOR	10uF 20V M	
CR501	NBP41VM-335X	TA E CAPACITOR	3.3uF 35V M	
CR502	NBP41DM-106X	TA E CAPACITOR	10uF 20V M	
CR503	NBP41VM-335X	TA E CAPACITOR	3.3uF 35V M	
CR504	NBP41CM-226X-B	TA E CAPACITOR	22uF 16V M	
CR505	NBP41CM-226X-B	TA E CAPACITOR	22uF 16V M	
CR506	NBP41CM-226X-B	TA E CAPACITOR	22uF 16V M	
CR507	NBP41CM-226X-B	TA E CAPACITOR	22uF 16V M	
CR508	NBP41CM-226X-B	TA E CAPACITOR	22uF 16V M	
CR509	NBP41CM-226X-B	TA E CAPACITOR	22uF 16V M	
CR510	NBP41CM-226X-B	TA E CAPACITOR	22uF 16V M	
CR511	NBP41CM-226X-B	TA E CAPACITOR	22uF 16V M	
CR512	NBP41CM-226X-B	TA E CAPACITOR	22uF 16V M	
CR513	NBP41CM-226X-B	TA E CAPACITOR	22uF 16V M	
CR514	NBP41CM-226X-B	TA E CAPACITOR	22uF 16V M	
CR515	NBP41CM-226X-B	TA E CAPACITOR	22uF 16V M	
CR516	NBP41CM-226X-B	TA E CAPACITOR	22uF 16V M	
CR517	NBP41CM-226X-B	TA E CAPACITOR	22uF 16V M	
CR518	NBP41CM-226X-B	TA E CAPACITOR	22uF 16V M	
CR519	NBP41CM-226X-B	TA E CAPACITOR	22uF 16V M	
CR520	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CR521	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CR522	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CR523	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CR524	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CR525	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CR526	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CR527	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CR528	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CR529	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CR530	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CR531	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CR532	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CR533	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CR534	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CR535	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
CR536	NBP41DM-106X	TA E CAPACITOR	10uF 20V M	
CR537	NBP41DM-106X	TA E CAPACITOR	10uF 20V M	
CR538	NBP41DM-106X	TA E CAPACITOR	10uF 20V M	
CR539	NBP41VM-335X	TA E CAPACITOR	3.3uF 35V M	
CR540	NBP41DM-106X	TA E CAPACITOR	10uF 20V M	
R500	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R501	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R502	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R503	NRSA63D-512X	MG RESISTOR	5.1kΩ 1/16W D	
R504	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D	
R505	NRSA63D-121X	MG RESISTOR	120Ω 1/16W D	
R506	NRSA63D-121X	MG RESISTOR	120Ω 1/16W D	
R507	NRSA63D-331X	MG RESISTOR	330Ω 1/16W D	
R508	NRSA63D-331X	MG RESISTOR	330Ω 1/16W D	
R509	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R510	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R511	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R512	NRSA63D-273X	MG RESISTOR	27kΩ 1/16W D	
R513	NRSA63D-392X	MG RESISTOR	3.9kΩ 1/16W D	
R514	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R515	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R516	NRSA63D-273X	MG RESISTOR	27kΩ 1/16W D	
R517	NRSA63D-432X	MG RESISTOR	4.3kΩ 1/16W D	
R518	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R519	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R520	NRSA63D-273X	MG RESISTOR	27kΩ 1/16W D	
R521	NRSA63D-472X	MG RESISTOR	4.7kΩ 1/16W D	
R522	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R523	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R524	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R525	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R526	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R527	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R528	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R529	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R530	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R531	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R532	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R533	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R534	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R535	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R536	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R537	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R538	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R539	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R540	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R541	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R542	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R543	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R544	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R545	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R546	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R547	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R548	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R549	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R550	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R551	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R552	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R553	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R554	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R555	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J	
R556	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R557	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R558	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R559	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
RB001	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB002	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
RB003	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
RB004	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
RB005	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB007	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
RB500	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RB501	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RB502	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RB503	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RB504	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RB505	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RB506	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RB507	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RB508	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RB509	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RB510	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RB511	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RB512	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RB513	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RB514	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RB515	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B	
RB516	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
RB517	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
RB518	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
RB519	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
RB520	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
RB521	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
RB522	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
RB523	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
RB524	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
RB525	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description Local
RB526	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
RB527	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
RB528	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
RB529	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
RB530	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
RB531	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
RB532	NRVA63B-122X	CMF RESISTOR	1.2kΩ 1/16W B
RB533	NRVA63B-471X	CMF RESISTOR	470Ω 1/16W B
RB534	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB535	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB536	NRVA63B-471X	CMF RESISTOR	470Ω 1/16W B
RB537	NRVA63B-122X	CMF RESISTOR	1.2kΩ 1/16W B
RB538	NRVA63B-122X	CMF RESISTOR	1.2kΩ 1/16W B
RB539	NRVA63B-471X	CMF RESISTOR	470Ω 1/16W B
RB540	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB541	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB542	NRVA63B-471X	CMF RESISTOR	470Ω 1/16W B
RB543	NRVA63B-122X	CMF RESISTOR	1.2kΩ 1/16W B
RB544	NRVA63B-122X	CMF RESISTOR	1.2kΩ 1/16W B
RB545	NRVA63B-471X	CMF RESISTOR	470Ω 1/16W B
RB546	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB547	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB548	NRVA63B-471X	CMF RESISTOR	470Ω 1/16W B
RB549	NRVA63B-122X	CMF RESISTOR	1.2kΩ 1/16W B
RB550	NRVA63B-122X	CMF RESISTOR	1.2kΩ 1/16W B
RB551	NRVA63B-471X	CMF RESISTOR	470Ω 1/16W B
RB552	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB553	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB554	NRVA63B-471X	CMF RESISTOR	470Ω 1/16W B
RB555	NRVA63B-122X	CMF RESISTOR	1.2kΩ 1/16W B
RB556	NRVA63B-122X	CMF RESISTOR	1.2kΩ 1/16W B
RB557	NRVA63B-471X	CMF RESISTOR	470Ω 1/16W B
RB558	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB559	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB560	NRVA63B-471X	CMF RESISTOR	470Ω 1/16W B
RB561	NRVA63B-122X	CMF RESISTOR	1.2kΩ 1/16W B
RB562	NRVA63B-122X	CMF RESISTOR	1.2kΩ 1/16W B
RB563	NRVA63B-471X	CMF RESISTOR	470Ω 1/16W B
RB564	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB565	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB566	NRVA63B-471X	CMF RESISTOR	470Ω 1/16W B
RB567	NRVA63B-122X	CMF RESISTOR	1.2kΩ 1/16W B
RB568	NRVA63B-122X	CMF RESISTOR	1.2kΩ 1/16W B
RB569	NRVA63B-471X	CMF RESISTOR	470Ω 1/16W B
RB570	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB571	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB572	NRVA63B-471X	CMF RESISTOR	470Ω 1/16W B
RB573	NRVA63B-122X	CMF RESISTOR	1.2kΩ 1/16W B
RB574	NRVA63B-122X	CMF RESISTOR	1.2kΩ 1/16W B
RB575	NRVA63B-471X	CMF RESISTOR	470Ω 1/16W B
RB576	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB577	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RB578	NRVA63B-471X	CMF RESISTOR	470Ω 1/16W B
RB579	NRVA63B-122X	CMF RESISTOR	1.2kΩ 1/16W B
RB580	NRSA63J-8R2X	MG RESISTOR	8.2Ω 1/16W J
RB581	NRSA63J-8R2X	MG RESISTOR	8.2Ω 1/16W J
RB582	NRSA63J-8R2X	MG RESISTOR	8.2Ω 1/16W J
RB583	NRSA63J-8R2X	MG RESISTOR	8.2Ω 1/16W J
RB584	NRSA63J-8R2X	MG RESISTOR	8.2Ω 1/16W J
RB585	NRSA63J-8R2X	MG RESISTOR	8.2Ω 1/16W J
RB586	NRSA63J-8R2X	MG RESISTOR	8.2Ω 1/16W J
RB587	NRSA63J-8R2X	MG RESISTOR	8.2Ω 1/16W J
RB588	NRSA63J-8R2X	MG RESISTOR	8.2Ω 1/16W J
RB589	NRSA63J-8R2X	MG RESISTOR	8.2Ω 1/16W J
RB590	NRSA63J-8R2X	MG RESISTOR	8.2Ω 1/16W J
RB591	NRSA63J-8R2X	MG RESISTOR	8.2Ω 1/16W J
RB592	NRSA63J-8R2X	MG RESISTOR	8.2Ω 1/16W J
RB593	NRSA63J-8R2X	MG RESISTOR	8.2Ω 1/16W J
RB594	NRSA63J-8R2X	MG RESISTOR	8.2Ω 1/16W J
RB595	NRSA63J-8R2X	MG RESISTOR	8.2Ω 1/16W J
RB596	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
RB597	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
RG001	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
RG002	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
RG003	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
RG004	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
RG005	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
RG006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RG007	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
RG596	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
RG597	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
RR001	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
RR002	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
RR003	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
RR004	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
RR005	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
RR006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RR007	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
RR500	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B
RR501	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B
RR502	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B
RR503	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B
RR504	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B
RR505	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B
RR506	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B
RR507	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B
RR508	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B
RR509	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B
RR510	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B
RR511	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B
RR512	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B
RR513	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B
RR514	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B
RR515	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B
RR516	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
RR517	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
RR518	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
RR519	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
RR520	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
RR521	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
RR522	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
RR523	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
RR524	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
RR525	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
RR526	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
RR527	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
RR528	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
RR529	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
RR530	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
RR531	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
RR532	NRVA63B-122X	CMF RESISTOR	1.2kΩ 1/16W B
RR533	NRVA63B-361X	CMF RESISTOR	360Ω 1/16W B
RR534	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RR535	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RR536	NRVA63B-361X	CMF RESISTOR	360Ω 1/16W B
RR537	NRVA63B-122X	CMF RESISTOR	1.2kΩ 1/16W B
RR538	NRVA63B-122X	CMF RESISTOR	1.2kΩ 1/16W B
RR539	NRVA63B-361X	CMF RESISTOR	360Ω 1/16W B
RR540	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RR541	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RR542	NRVA63B-361X	CMF RESISTOR	360Ω 1/16W B
RR543	NRVA63B-122X	CMF RESISTOR	1.2kΩ 1/16W B
RR544	NRVA63B-122X	CMF RESISTOR	1.2kΩ 1/16W B
RR545	NRVA63B-361X	CMF RESISTOR	360Ω 1/16W B
RR546	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RR547	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RR548	NRVA63B-361X	CMF RESISTOR	360Ω 1/16W B
RR549	NRVA63B-122X	CMF RESISTOR	1.2kΩ 1/16W B
RR550	NRVA63B-122X	CMF RESISTOR	1.2kΩ 1/16W B
RR551	NRVA63B-361X	CMF RESISTOR	360Ω 1/16W B
RR552	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RR553	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RR554	NRVA63B-361X	CMF RESISTOR	360Ω 1/16W B
RR555	NRVA63B-122X	CMF RESISTOR	1.2kΩ 1/16W B
RR556	NRVA63B-122X	CMF RESISTOR	1.2kΩ 1/16W B
RR557	NRVA63B-361X	CMF RESISTOR	360Ω 1/16W B
RR558	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RR559	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RR560	NRVA63B-361X	CMF RESISTOR	360Ω 1/16W B
RR561	NRVA63B-122X	CMF RESISTOR	1.2kΩ 1/16W B
RR562	NRVA63B-122X	CMF RESISTOR	1.2kΩ 1/16W B
RR563	NRVA63B-361X	CMF RESISTOR	360Ω 1/16W B
RR564	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RR565	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RR566	NRVA63B-361X	CMF RESISTOR	360Ω 1/16W B
RR567	NRVA63B-122X	CMF RESISTOR	1.2kΩ 1/16W B
RR568	NRVA63B-122X	CMF RESISTOR	1.2kΩ 1/16W B
RR569	NRVA63B-361X	CMF RESISTOR	360Ω 1/16W B
RR570	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RR571	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RR572	NRVA63B-361X	CMF RESISTOR	360Ω 1/16W B
RR573	NRVA63B-122X	CMF RESISTOR	1.2kΩ 1/16W B
RR574	NRVA63B-122X	CMF RESISTOR	1.2kΩ 1/16W B
RR575	NRVA63B-361X	CMF RESISTOR	360Ω 1/16W B
RR576	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RR577	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RR578	NRVA63B-361X	CMF RESISTOR	360Ω 1/16W B
RR579	NRVA63B-122X	CMF RESISTOR	1.2kΩ 1/16W B
RR580	NRSA63J-8R2X	MG RESISTOR	8.2Ω 1/16W J
RR581	NRSA63J-8R2X	MG RESISTOR	8.2Ω 1/16W J
RR582	NRSA63J-8R2X	MG RESISTOR	8.2Ω 1/16W J
RR583	NRSA63J-8R2X	MG RESISTOR	8.2Ω 1/16W J
RR584	NRSA63J-8R2X	MG RESISTOR	8.2Ω 1/16W J
RR585	NRSA63J-8R2X	MG RESISTOR	8.2Ω 1/16W J
RR586	NRSA63J-8R2X	MG RESISTOR	8.2Ω 1/16W J
RR587	NRSA63J-8R2X	MG RESISTOR	8.2Ω 1/16W J
RR588	NRSA63J-8R2X	MG RESISTOR	8.2Ω 1/16W J
RR589	NRSA63J-8R2X	MG RESISTOR	8.2Ω 1/16W J
RR590	NRSA63J-8R2X	MG RESISTOR	8.2Ω 1/16W J
RR591	NRSA63J-8R2X	MG RESISTOR	8.2Ω 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local
RR592	NRSA63J-8R2X	MG RESISTOR	8.2Ω 1/16W J
RR593	NRSA63J-8R2X	MG RESISTOR	8.2Ω 1/16W J
RR594	NRSA63J-8R2X	MG RESISTOR	8.2Ω 1/16W J
RR595	NRSA63J-8R2X	MG RESISTOR	8.2Ω 1/16W J
RR596	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
RR597	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
CN001	QGF0508F4-24X	CONNECTOR	FFC/FPC (1-24)
CN002	QGF0508F4-24X	CONNECTOR	FFC/FPC (1-24)
CN003	QGF0508F4-24X	CONNECTOR	FFC/FPC (1-24)
CN004	QGA1002F1-20X	CONNECTOR	W-B (1-20)
CN005	QGA2001F6-06X	CONNECTOR	W-B (1-6)
CN006	QGA2001F6-08X	CONNECTOR	W-B (1-8)
CN007	QGF0508F3-50X	CONNECTOR	FFC/FPC (1-50)
CN008	QGF0508F3-50X	CONNECTOR	FFC/FPC (1-50)
CN009	QGF0508F5-50X	CONNECTOR	FFC/FPC (1-50)
CN010	QGB0518M1-40X	CONNECTOR	B-B (1-40)
CN011	QGF0508F5-20X	CONNECTOR	FFC/FPC (1-20)
KD500	NQR0413-003X	FERRITE BEADS	
KD501	NQR0413-003X	FERRITE BEADS	
KD502	NQR0413-003X	FERRITE BEADS	
KD503	NQR0413-003X	FERRITE BEADS	
KD504	NQR0413-003X	FERRITE BEADS	
KD505	NQR0413-003X	FERRITE BEADS	
KD506	NQR0413-003X	FERRITE BEADS	
KD511	NQR0413-003X	FERRITE BEADS	
KD512	NQR0413-003X	FERRITE BEADS	
KD513	NQR0413-003X	FERRITE BEADS	
KD514	NQR0413-003X	FERRITE BEADS	
KD515	NQR0413-003X	FERRITE BEADS	
KD516	NQR0413-003X	FERRITE BEADS	

DD SUB2 P.W. BOARD ASS'Y (LCA90235-02B)

⚠Ref No.	Part No.	Part Name	Description Local
IC515	AD8024AR-X	IC	
IC516	AD8024AR-X	IC	
IC517	AD8024AR-X	IC	
IC518	AD8024AR-X	IC	
CG500	NBP41DM-106X	TA E CAPACITOR	10uF 20V M
CG501	NBP41VM-335X	TA E CAPACITOR	3.3uF 35V M
CG502	NBP41DM-106X	TA E CAPACITOR	10uF 20V M
CG503	NBP41VM-335X	TA E CAPACITOR	3.3uF 35V M
CG504	NBP41CM-226X-B	TA E CAPACITOR	22uF 16V M
CG505	NBP41CM-226X-B	TA E CAPACITOR	22uF 16V M
CG506	NBP41CM-226X-B	TA E CAPACITOR	22uF 16V M
CG507	NBP41CM-226X-B	TA E CAPACITOR	22uF 16V M
CG508	NBP41CM-226X-B	TA E CAPACITOR	22uF 16V M
CG509	NBP41CM-226X-B	TA E CAPACITOR	22uF 16V M
CG510	NBP41CM-226X-B	TA E CAPACITOR	22uF 16V M
CG511	NBP41CM-226X-B	TA E CAPACITOR	22uF 16V M
CG512	NBP41CM-226X-B	TA E CAPACITOR	22uF 16V M
CG513	NBP41CM-226X-B	TA E CAPACITOR	22uF 16V M
CG514	NBP41CM-226X-B	TA E CAPACITOR	22uF 16V M
CG515	NBP41CM-226X-B	TA E CAPACITOR	22uF 16V M
CG516	NBP41CM-226X-B	TA E CAPACITOR	22uF 16V M
CG517	NBP41CM-226X-B	TA E CAPACITOR	22uF 16V M
CG518	NBP41CM-226X-B	TA E CAPACITOR	22uF 16V M
CG519	NBP41CM-226X-B	TA E CAPACITOR	22uF 16V M
CG520	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG521	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG522	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG523	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG524	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG525	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG526	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG527	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
CG540	NBP41DM-106X	TA E CAPACITOR	10uF 20V M
RG500	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B
RG501	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B
RG502	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B
RG503	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B
RG504	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B
RG505	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B
RG506	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B
RG507	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B
RG508	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B
RG509	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B
RG510	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B
RG511	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B
RG512	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B
RG513	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B
RG514	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B
RG515	NRVA63B-151X	CMF RESISTOR	150Ω 1/16W B
RG516	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
RG517	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
RG518	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
RG519	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
RG520	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
RG521	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
RG522	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
RG523	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
RG524	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
RG525	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
RG526	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
RG527	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
RG528	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
RG529	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
RG530	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
RG531	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
RG532	NRVA63B-122X	CMF RESISTOR	1.2kΩ 1/16W B
RG533	NRVA63B-431X	CMF RESISTOR	430Ω 1/16W B
RG534	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RG535	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RG536	NRVA63B-431X	CMF RESISTOR	430Ω 1/16W B
RG537	NRVA63B-122X	CMF RESISTOR	1.2kΩ 1/16W B
RG538	NRVA63B-122X	CMF RESISTOR	1.2kΩ 1/16W B
RG539	NRVA63B-431X	CMF RESISTOR	430Ω 1/16W B
RG540	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RG541	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RG542	NRVA63B-431X	CMF RESISTOR	430Ω 1/16W B
RG543	NRVA63B-122X	CMF RESISTOR	1.2kΩ 1/16W B
RG544	NRVA63B-122X	CMF RESISTOR	1.2kΩ 1/16W B
RG545	NRVA63B-431X	CMF RESISTOR	430Ω 1/16W B
RG546	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RG547	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RG548	NRVA63B-431X	CMF RESISTOR	430Ω 1/16W B
RG549	NRVA63B-122X	CMF RESISTOR	1.2kΩ 1/16W B
RG550	NRVA63B-122X	CMF RESISTOR	1.2kΩ 1/16W B
RG551	NRVA63B-431X	CMF RESISTOR	430Ω 1/16W B
RG552	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RG553	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RG554	NRVA63B-431X	CMF RESISTOR	430Ω 1/16W B
RG555	NRVA63B-122X	CMF RESISTOR	1.2kΩ 1/16W B
RG556	NRVA63B-122X	CMF RESISTOR	1.2kΩ 1/16W B
RG557	NRVA63B-431X	CMF RESISTOR	430Ω 1/16W B
RG558	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RG559	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RG560	NRVA63B-431X	CMF RESISTOR	430Ω 1/16W B
RG561	NRVA63B-122X	CMF RESISTOR	1.2kΩ 1/16W B
RG562	NRVA63B-122X	CMF RESISTOR	1.2kΩ 1/16W B
RG563	NRVA63B-431X	CMF RESISTOR	430Ω 1/16W B
RG564	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RG565	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RG566	NRVA63B-431X	CMF RESISTOR	430Ω 1/16W B
RG567	NRVA63B-122X	CMF RESISTOR	1.2kΩ 1/16W B
RG568	NRVA63B-122X	CMF RESISTOR	1.2kΩ 1/16W B
RG569	NRVA63B-431X	CMF RESISTOR	430Ω 1/16W B
RG570	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RG571	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RG572	NRVA63B-431X	CMF RESISTOR	430Ω 1/16W B
RG573	NRVA63B-122X	CMF RESISTOR	1.2kΩ 1/16W B
RG574	NRVA63B-122X	CMF RESISTOR	1.2kΩ 1/16W B
RG575	NRVA63B-431X	CMF RESISTOR	430Ω 1/16W B
RG576	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RG577	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
RG578	NRVA63B-431X	CMF RESISTOR	430Ω 1/16W B
RG579	NRVA63B-122X	CMF RESISTOR	1.2kΩ 1/16W B
RG580	NRSA63J-8R2X	MG RESISTOR	8.2Ω 1/16W J
RG581	NRSA63J-8R2X	MG RESISTOR	8.2Ω 1/16W J
RG582	NRSA63J-8R2X	MG RESISTOR	8.2Ω 1/16W J
RG583	NRSA63J-8R2X	MG RESISTOR	8.2Ω 1/16W J
RG584	NRSA63J-8R2X	MG RESISTOR	8.2Ω 1/16W J
RG585	NRSA63J-8R2X	MG RESISTOR	8.2Ω 1/16W J
RG586	NRSA63J-8R2X	MG RESISTOR	8.2Ω 1/16W J
RG587	NRSA63J-8R2X	MG RESISTOR	8.2Ω 1/16W J
RG588	NRSA63J-8R2X	MG RESISTOR	8.2Ω 1/16W J
RG589	NRSA63J-8R2X	MG RESISTOR	8.2Ω 1/16W J
RG590	NRSA63J-8R2X	MG RESISTOR	8.2Ω 1/16W J
RG591	NRSA63J-8R2X	MG RESISTOR	8.2Ω 1/16W J
RG592	NRSA63J-8R2X	MG RESISTOR	8.2Ω 1/16W J
RG593	NRSA63J-8R2X	MG RESISTOR	8.2Ω 1/16W J
RG594	NRSA63J-8R2X	MG RESISTOR	8.2Ω 1/16W J
RG595	NRSA63J-8R2X	MG RESISTOR	8.2Ω 1/16W J
CN012	QGB0518L1-40X	CONNECTOR	B-B (1-40)
CN013	QGF0508F4-20X	CONNECTOR	FFC/FPC (1-20)
KD507	NQR0413-003X	FERRITE BEADS	
KD508	NQR0413-003X	FERRITE BEADS	
KD509	NQR0413-003X	FERRITE BEADS	
KD510	NQR0413-003X	FERRITE BEADS	

IR1 P.W. BOASS'Y (LCA90531-01C)

⚠Ref No.	Part No.	Part Name	Description	Local
IC8300	GP1UM281QK	IR DETECT UNIT	38kHz	
D8300	MAZC062D-W	Z DIODE		
C8300	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C8301	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M	
L8300	NQL904J-220X	COIL	22uH J	
CN8300	QGA1201C2-03X	CONNECTOR	W-B (1-3)	
K8300	NQR0413-003X	FERRITE BEADS		
K8301	NQR0413-003X	FERRITE BEADS		

IR2 P.W. BOARD ASS'Y (LCA90532-01C)

⚠Ref No.	Part No.	Part Name	Description	Local
IC8400	GP1UM261RKVF	IR DETECT UNIT		
D8400	MAZC062D-W	Z DIODE		
C8400	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C8401	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M	
L8400	NQL904J-220X	COIL	22uH J	
CN8400	QGA1201C2-04X	CONNECTOR	W-B (1-4)	
K8400	NQR0413-003X	FERRITE BEADS		
K8401	NQR0413-003X	FERRITE BEADS		

OPERATION P.W. BOARD ASS'Y (LCA90533-01C)

⚠Ref No.	Part No.	Part Name	Description	Local
IC8100	BD33KA5WF-X	IC		
IC8101	M34282M1C72GP-X	IC		
Q8100	DTC143ZKA-X	DIGI TRANSISTOR		
Q8101	DTC143ZKA-X	DIGI TRANSISTOR		
Q8102	2SC2412K/QR/-X	TRANSISTOR		
Q8103	DTC143ZKA-X	DIGI TRANSISTOR		
Q8104	DTC143ZKA-X	DIGI TRANSISTOR		
D8100	SML-210MT-X	LED	Tx	
D8101	SML-210DT-X	LED	Rx	
C8100	NCF11AZ-106X	C CAPACITOR	10uF 10V Z	
C8101	NCF11AZ-106X	C CAPACITOR	10uF 10V Z	
C8102	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C8103	NBP41CM-106X	TA E CAPACITOR	10uF 16V M	
C8104	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C8105	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
R8100	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R8101	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R8102	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R8103	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R8104	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R8105	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R8107	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R8109	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
CN8100	QGA1201C2-05X	CONNECTOR	W-B (1-5)	
K8100	NQR0413-003X	FERRITE BEADS		
SW8100	NSW0005-001X	TACT SWITCH	ZOOM T	
SW8101	NSW0005-001X	TACT SWITCH	FOCUS +	
SW8102	NSW0005-001X	TACT SWITCH	ZOOM W	
SW8103	NSW0005-001X	TACT SWITCH	FOCUS -	
SW8104	NSW0005-001X	TACT SWITCH	OPERATE ON	
SW8105	NSW0005-001X	TACT SWITCH	OPERATE OFF	
SW8109	NSW0005-001X	TACT SWITCH	MENU	
SW8110	NSW0005-001X	TACT SWITCH	EXIT	
SW8111	NSW0005-001X	TACT SWITCH	CURSOR UP	
SW8112	NSW0005-001X	TACT SWITCH	CURSOR DOWN	
SW8113	NSW0005-001X	TACT SWITCH	CURSOR LEFT	
SW8114	NSW0005-001X	TACT SWITCH	CURSOR RIGHT	
SW8115	NSW0005-001X	TACT SWITCH	ENTER	
SW8117	NSW0005-001X	TACT SWITCH	HIDE	
X8100	NAX0665-001X	C RESONATOR	4.000MHz	

POWER CONTROL P.W. BOARD ASS'Y (SXG-0P004A)

⚠Ref No.	Part No.	Part Name	Description	Local
IC9001	SC4611-X	IC		
Q9001	TPC8010-H-X	POWER MOS FET		
Q9002	TPC8010-H-X	POWER MOS FET		
Q9003	2SA1037AK/QR/-X	TRANSISTOR		
Q9811	DTC143XKA-X	DIGI TRANSISTOR		
Q9814	DTC123YKA-X	DIGI TRANSISTOR		
Q9817	DTC143XKA-X	DIGI TRANSISTOR		
Q9818	DTC143XKA-X	DIGI TRANSISTOR		
Q9819	2SC2412K/QR/-X	TRANSISTOR		
Q9820	2SC2412K/QR/-X	TRANSISTOR		
Q9821	2SA1037AK/QR/-X	TRANSISTOR		
Q9822	DTC114YKA-X	DIGI TRANSISTOR		
D9001	UDZS3.9B-X	Z DIODE		
D9002	MA111-X	SI DIODE		
D9858	MA111-X	SI DIODE		
D9859	MA111-X	SI DIODE		
C9001	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
C9002	NEX61CM-686X	E CAPACITOR	68uF 16V M	
C9003	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
C9004	NEX60GM-337X	E CAPACITOR	330uF 4V M	
C9006	NCB21HK-222X	C CAPACITOR	2200pF 50V K	
C9007	NCF11AZ-226X	C CAPACITOR	22uF 10V Z	
C9008	NCF11AZ-226X	C CAPACITOR	22uF 10V Z	
C9009	NCB11EK-105X	C CAPACITOR	1uF 25V K	
C9010	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	
C9011	NCB21AK-105X	C CAPACITOR	1uF 10V K	
C9012	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C9013	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C9014	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C9861	NCB21HK-103X	C CAPACITOR	0.01uF 50V K	
C9865	NCB20JM-475X	C CAPACITOR	4.7uF 6.3V M	
C9866	NENA1EM-106X	BP E CAPACITOR	10uF 25V M	
C9868	NCF11EZ-105X	C CAPACITOR	1uF 25V Z	
C9869	NCB21HK-103X	C CAPACITOR	0.01uF 50V K	
C9870	NCB21HK-103X	C CAPACITOR	0.01uF 50V K	
R9001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9002	NRZ0096-R010X	MP RESISTOR	0.01Ω	
R9004	NRSA63J-4R7X	MG RESISTOR	4.7Ω 1/16W J	
R9005	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9007	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9008	NRSA63J-4R7X	MG RESISTOR	4.7Ω 1/16W J	
R9009	NRSA63J-150X	MG RESISTOR	15Ω 1/16W J	
R9010	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9011	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R9012	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9013	NRSA63J-112X	MG RESISTOR	1.1kΩ 1/16W J	
R9014	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R9015	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9016	NRSA63D-152X	MG RESISTOR	1.5kΩ 1/16W D	
R9017	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9018	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9019	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R9020	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R9021	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9022	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9023	NRSA63J-150X	MG RESISTOR	15Ω 1/16W J	
R9024	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R9025	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R9026	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R9027	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J	
R9028	NRSA63J-131X	MG RESISTOR	130Ω 1/16W J	
R9835	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R9836	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9837	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9838	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R9839	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R9840	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R9841	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R9842	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R9843	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R9844	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R9852	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R9853	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R9856	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R9857	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9866	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R9867	NRS144J-102X	MG RESISTOR	1kΩ 1/4W J	
R9868	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R9869	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R9870	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R9871	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9872	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R9873	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
L9001	NQL51EM-3R7X	COIL	3.7uH M	
CN9025	QGB2013J1-20	CONNECTOR	B-B (1-20)	

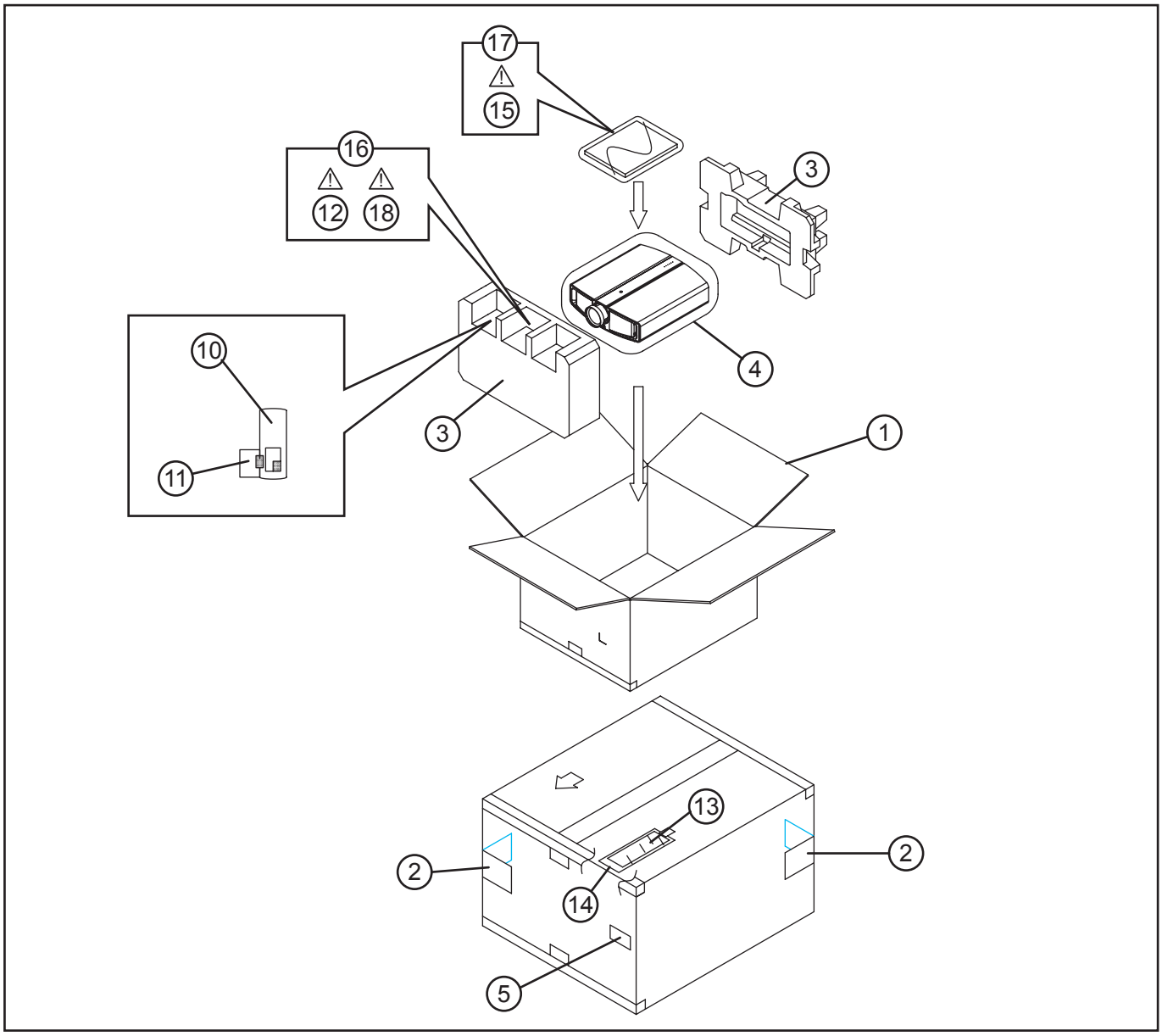
LED P.W. BOARD ASS'Y (LCA90549-01C)

⚠Ref No.	Part No.	Part Name	Description	Local
Q8200	DTC143ZKA-X	DIGI TRANSISTOR		
Q8201	DTC143ZKA-X	DIGI TRANSISTOR		
Q8202	DTC143ZKA-X	DIGI TRANSISTOR		
Q8203	DTC143ZKA-X	DIGI TRANSISTOR		
Q8204	DTC143ZKA-X	DIGI TRANSISTOR		
Q8205	DTC143ZKA-X	DIGI TRANSISTOR		
D8200	SML-312BCT-X	LED	HIDE	
D8201	SML-512DW-X	LED	FAN	
D8202	SML-512WBCW-X	LED	OPERATE	
D8203	SML-512UW/QRS-X	LED	STAND BY	
D8204	SML-512DW-X	LED	TEMP	
D8205	SML-512DW-X	LED	LAMP	
C8200	NCF11AZ-106X	C CAPACITOR	10uF 10V Z	
R8200	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R8201	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R8202	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R8203	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R8204	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R8205	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
CN8200	QGA2001F6-08X	CONNECTOR	W-B (1-8)	
K8200	NQR0413-003X	FERRITE BEADS		

SWITCH P.W. BOARD ASS'Y (LCA90561-01C)

⚠Ref No.	Part No.	Part Name	Description	Local
CN8501	QGA1201F2-02X	CONNECTOR	W-B (1-2)	
⚠S8501	QSW1064-001	DETECT SWITCH		

PACKING



PACKING PARTS LIST

⚠	Ref.No.	Part No.	Part Name	Description	Local
	1	LC33396-001B	PACKING CASE		
	2	LC33456-001A	PACKING LABEL	(x2)	HD10KU
	2	LC33456-002A	PACKING LABEL	(x2)	HD10KSU
	2	LC33456-003B	PACKING LABEL	(x2)	HD10KE
	2	LC33456-004B	PACKING LABEL	(x2)	HD10KSE
	3	LC33342-001A	CUSHION ASSY		
	4	LC30236-008A	POLY BAG		
	5	CM47385-00A	POS SERIAL LABEL		
	10	RM-MH10KG	REMOTE CONTROL UNIT		
	11	----------	BATTERY	AAA TYPE(x2)	
⚠	12	QMPE330-244-JC	POWER CORD(US/CA)	2.44m BLACK	HD10KU,HD10KSU
⚠	12	QMPL040-200-JC	POWER CORD(US/CA)	2m BLACK	HD10KE,HD10KSE
	13	----------	WARRANTY CARD	BT-51030-3	HD10KU,HD10KSU
	14	QPA01503005	POLY BAG	15cm x 30cm	HD10KU,HD10KSU
⚠	15	LCT1971-001A	INST BOOK	(ENGLISH/FRENCH)	
	16	QPA01703005	POLY BAG	17cm x 30cm	
	17	QPA02503505P	POLY BAG	25cm x 35cm	
⚠	18	QMPP170-200-JC	POWER CORD(EK)	2m BLACK	HD10KE,HD10KSE